



# My Company

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## SQL Server Database Schema

### Document

Created using

# SQLserverPrint

#### Macro Variables Substitution Example

General Date	14/01/2017 16:05:45
Long Date	14 January 2017
Short Date	14/01/2017
Long Time	16:05:45
Short Time	16:05
Today	14/01/2017 16:05:45
Server Name	STARPRINT-DEV-X
Database Name	pubs

Prepared by

Joginder S Nahil

on

14/01/2017 16:05:45

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# [pubs]

Database in Database 'pubs'

## General

Property	Value
Active Connections	1
Auto Create Statistics Enabled	True
Auto Update Statistics Enabled	True
Case Sensitive	False
Collation	Latin1_General_CI_AS
Compatibility Level	Version130
Create Date	10/10/2016 12:28:42
Database Guid	aa46f67c-8315-4118-95cc-3727a71cb9dc
Database Snapshot Base Name	
Data Space Usage	1288
Dbo Login	True
Default File Group	PRIMARY
Default Full Text Catalog	
Default Schema	dbo
I D	6
Index Space Usage	1312
Is Accessible	True
Is Database Snapshot	False
Is Database Snapshot Base	False
Is Db Access Admin	True
Is Db Backup Operator	True
Is Db Datareader	True
Is Db Datawriter	True
Is Db Ddl Admin	True
Is Db Deny Datareader	False
Is Db Deny Datawriter	False
Is Db Owner	True
Is Db Security Admin	True
Is Full Text Enabled	True
Is Mail Host	False
Is Mirroring Enabled	False
Is System Object	False
Is Updateable	True
Last Backup Date	01/01/0001 00:00:00
Last Log Backup Date	01/01/0001 00:00:00
Log Reuse Wait Status	Nothing
Mirroring Failover Log Sequence Number	0
Mirroring I D	00000000-0000-0000-0000-000000000000
Mirroring Partner	
Mirroring Role	None
Mirroring Role Sequence	0
Mirroring Safety Level	None
Mirroring Safety Sequence	0
Mirroring Status	None
Mirroring Witness	
Mirroring Witness Status	None
Owner	STARPRINT-DEV-X\Dell
Primary File Path	C:\Program Files\Microsoft SQL Server\MSSQL13.SQLSERVER2016\MSSQL\DATA
Recovery Fork Guid	01993a49-c172-46f0-aeaa-b2dd88aa8a5c

Property	Value
Replication Options	None
Service Broker Guid	8a12231a-027e-4345-a93a-2bf12605a282
Size	16
Space Available	3840
Status	Normal
User Name	dbo
Version	852

## Miscellaneous

Property	Value
Active Connections	1
Broker Enabled	True
Case Sensitive	False
Database Guid	aa46f67c-8315-4118-95cc-3727a71cb9dc
Database Snapshot Base Name	
Data Space Usage	1288
Dbo Login	True
Default File Group	PRIMARY
Default Full Text Catalog	
Default Schema	dbo
Index Space Usage	1312
Is Accessible	True
Is Database Snapshot	False
Is Database Snapshot Base	False
Is Db Access Admin	True
Is Db Backup Operator	True
Is Db Datareader	True
Is Db Datawriter	True
Is Db Ddl Admin	True
Is Db Deny Datareader	False
Is Db Deny Datawriter	False
Is Db Owner	True
Is Db Security Admin	True
Is Full Text Enabled	True
Is Mail Host	False
Is Mirroring Enabled	False
Is Parameterization Forced	False
Is System Object	False
Is Updateable	True
Local Cursors Default	False
Log Reuse Wait Status	Nothing
Primary File Path	C:\Program Files\Microsoft SQL Server\MSSQL13.SQLSERVER2016\MSSQL\DATA
Recovery Fork Guid	01993a49-c172-46f0-aeaa-b2dd88aa8a5c
Replication Options	None
Service Broker Guid	8a12231a-027e-4345-a93a-2bf12605a282
Snapshot Isolation State	Disabled
User Access	Multiple
User Name	dbo
Version	852

## Files

Name	File Type	Filegroup	Initial Size	Autogrowth
pubs	Data	PRIMARY	8192	65536,KB
pubs_log	Log		8192	65536,KB

## File Groups

Name	Files	Read Only	Default
PRIMARY	1	False	True

## Options

Property	Value
Ansi Null Default	False
Ansi Nulls Enabled	False
Ansi Padding Enabled	False
Ansi Warnings Enabled	False
Arithmetic Abort Enabled	False
Auto Close	False
Auto Create Statistics Enabled	True
Auto Shrink	False
Auto Update Statistics Async	False
Auto Update Statistics Enabled	True
Close Cursors On Commit Enabled	False
Compatibility Level	Version130
Concatenate Null Yields Null	False
Database Ownership Chaining	False
Date Correlation Optimization	False
Numeric Round Abort Enabled	False
Page Verify	Checksum
Quoted Identifiers Enabled	False
Read Only	False
Recovery Model	Full
Recursive Triggers Enabled	False
Trustworthy	False

## Explicit Permissions:

Permission	Grantor	Grant	With Grant	Deny
Connect	dbo	X		

## Mirroring

Property	Value
Mirroring Failover Log Sequence Number	0
Mirroring I D	00000000-0000-0000-0000-000000000000
Mirroring Partner	
Mirroring Redo Queue Max Size	0
Mirroring Role	None
Mirroring Role Sequence	0
Mirroring Safety Level	None
Mirroring Safety Sequence	0
Mirroring Status	None
Mirroring Timeout	0
Mirroring Witness	
Mirroring Witness Status	None

# [dbo].[authors]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	au_id	id							X		
2	au_lname	varchar(40)									
3	au_fname	varchar(20)									
4	phone	char(12)									('UNKNOWN')
5	address	varchar(40)						X			
6	city	varchar(20)						X			
7	state	char(2)						X			
8	zip	char(5)						X			
9	contract	bit									

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	24 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	23
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
UPKCL_auind	au_id	X	

## Foreign Keys

None

## Triggers

None

## Indices

Name	Columns	Clustered	Unique
au_nmind	au_lname au_fname		
UPKCL_auind	au_id	X	

## Checks

### [CK\\_authors\\_au\\_id\\_239E4DCF](#)

Created	Modified	State	Enabled	Checked	Text
10/10/2016 12:28:43	10/10/2016 12:28:43	Existing	X	X	([au_id] like '[0-9][0-9][0-9]-[0-9][0-9]-[0-9][0-9][0-9][0-9]')

### [CK\\_authors\\_zip\\_25869641](#)

Created	Modified	State	Enabled	Checked	Text
10/10/2016 12:28:43	10/10/2016 12:28:43	Existing	X	X	([zip] like '[0-9][0-9][0-9][0-9]')

## Explicit Permissions:

None



# [dbo].[discounts]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	discounttype	varchar(40)									
2	stor_id	char(4)			X			X			
3	lowqty	smallint						X			
4	highqty	smallint						X			
5	discount	decimal(4,2)									

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	8 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	3
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

None

## Foreign Keys

Name	Columns	Check	Enabled
FK_discounts_stor__3B75D760			
<b>FK_discounts_stor__3B75D760</b>	X	X	
Primary/Unique Key Base Table			
discounts	stor_id		
Foreign Key Base Table			
stores	stor_id		

## Triggers

None

## Indices

None

## Checks

None

## Explicit Permissions:

None

# [dbo].[employee]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	emp_id	empid							X		
2	fname	varchar(20)									
3	minit	char(1)						X			
4	lname	varchar(30)									
5	job_id	smallint			X						((1))
6	job_lvl	tinyint						X			((10))
7	pub_id	char(4)			X						('9952')
8	hire_date	datetime									(getdate())

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	24 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	43
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
PK_emp_id	emp_id		

## Foreign Keys

Name	Columns	Check	Enabled
FK_employee_job_id_47DBAE45			
<b>FK_employee_job_id_47DBAE45</b>	X	X	
Primary/Unique Key Base Table			
employee	job_id		
Foreign Key Base Table			
jobs	job_id		
FK_employee_pub_id_4AB81AF0			
<b>FK_employee_pub_id_4AB81AF0</b>	X	X	

Name	Columns	Check	Enabled
Primary/Unique Key Base Table			
employee	pub_id		
Foreign Key Base Table			
publishers	pub_id		

## Triggers

Trigger Name	Description	State	Enabled	Delete^	Insert	Update
employee_insupd		Existing	X		X	X

Property	Value
AnsiNullsStatus	True
BodyStartIndex	71
CreateDate	10/10/2016 12:28:43
DeleteOrder	None
ID	1285579618
ImplementationType	TransactSql
InsertOrder	None
InsteadOf	False
IsEncrypted	False
IsSystemObject	False
NotForReplication	False
QuotedIdentifierStatus	True
UpdateOrder	None
AssemblyName	
ClassName	
DateLastModified	10/10/2016 12:28:43
ExecutionContext	Caller
ExecutionContextPrincipal	
MethodName	
PolicyHealthState	Unknown
IsNativelyCompiled	False
IsSchemaBound	False

## Script

```

1
2 CREATE TRIGGER employee_insupd
3 ON employee
4 FOR insert, UPDATE
5 AS
6
7 --Get the range of level for this job type from the jobs table.
8 declare @min_lvl tinyint,
9         @max_lvl tinyint,
10        @emp_lvl tinyint,
11        @job_id smallint
12 select @min_lvl = min_lvl,
13        @max_lvl = max_lvl,
14        @emp_lvl = i.job_lvl,
15        @job_id = i.job_id
16 from employee e, jobs j, inserted i
17 where e.emp_id = i.emp_id AND i.job_id = j.job_id
18 IF (@job_id = 1) and (@emp_lvl <> 10)
19 begin

```

```

20      raiserror ("Job id 1 expects the default level of 10.,16,1)
21      ROLLBACK TRANSACTION
22  end
23  ELSE
24  IF NOT (@emp_lvl BETWEEN @min_lvl AND @max_lvl)
25  begin
26      raiserror ("The level for job_id:%d should be between %d and %d.,
27      16, 1, @job_id, @min_lvl, @max_lvl)
28      ROLLBACK TRANSACTION
29  end
30

```

## Indices

Name	Columns	Clustered	Unique
employee_ind	lname fname minit	X	
PK_emp_id	emp_id		

## Checks

### CK\_emp\_id

Created	Modified	State	Enabled	Checked	Text
10/10/2016 12:28:43	10/10/2016 12:28:43	Existing	X	X	((emp_id) like '[A-Z][A-Z][A-Z][1-9][0-9][0-9][0-9][FM]' OR [emp_id] like '[A-Z]-[A-Z][1-9][0-9][0-9][0-9][FM]')

## Explicit Permissions:

None

# [dbo].[jobs]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	job_id	smallint				X			X		
2	job_desc	varchar(50)									('New Position - title not formalized yet')
3	min_lvl	tinyint									
4	max_lvl	tinyint									

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	8 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	14
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
PK_jobs_6E32B6A571385938	job_id	X	

## Foreign Keys

None

## Triggers

None

## Indices

Name	Columns	Clustered	Unique
PK_jobs_6E32B6A571385938	job_id	X	

## Checks

[CK\\_jobs\\_max\\_lvl\\_403A8C7D](#)

Created	Modified	State	Enabled	Checked	Text
10/10/2016 12:28:43	10/10/2016 12:28:43	Existing	X	X	([max_lvl]<=(250))

**CK\_jobs\_min\_lvl\_3F466844**

Created	Modified	State	Enabled	Checked	Text
10/10/2016 12:28:43	10/10/2016 12:28:43	Existing	X	X	([min_lvl]>=(10))

**Explicit Permissions:**

None

# [dbo].[pub\_info]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	pub_id	char(4)			X				X		
2	logo	image						X			
3	pr_info	text						X			

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	120 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	8 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	8
Text File Group	PRIMARY

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
UPKCL_pubinfo	pub_id	X	

## Foreign Keys

Name	Columns	Check	Enabled
FK__pub_info__pub_id__4316F928			
<b>FK__pub_info__pub_id__4316F928</b>	X	X	
Primary/Unique Key Base Table			
pub_info	pub_id		
Foreign Key Base Table			
publishers	pub_id		

## Triggers

None

## Indices



Name	Columns	Clustered	Unique
UPKCL_pubinfo	pub_id	X	

**Checks**

None

**Explicit Permissions:**

None

# [dbo].[publishers]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	pub_id	char(4)							X		
2	pub_name	varchar(40)						X			
3	city	varchar(20)						X			
4	state	char(2)						X			
5	country	varchar(30)						X			('USA')

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	8 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	8
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
UPKCL_pubind	pub_id	X	

## Foreign Keys

None

## Triggers

None

## Indices

Name	Columns	Clustered	Unique
UPKCL_pubind	pub_id	X	

## Checks

[CK\\_publisher\\_pub\\_i\\_286302EC](#)

Created	Modified	State	Enabled	Checked	Text
10/10/2016 12:28:43	10/10/2016 12:28:43	Existing	X	X	(([pub_id]='1756' OR [pub_id]='1622' OR [pub_id]='0877' OR [pub_id]='0736' OR [pub_id]='1389' OR [pub_id] like '99[0-9][0-9]')

**Explicit Permissions:**

None

# [dbo].[roysched]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	title_id	tid			X						
2	lorange	int						X			
3	hirange	int						X			
4	royalty	int						X			

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	24 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	86
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

None

## Foreign Keys

Name	Columns	Check	Enabled
FK__roysched__title__398D8EEE			
<b>FK__roysched__title__398D8EEE</b>	X	X	
Primary/Unique Key Base Table			
roysched	title_id		
Foreign Key Base Table			
titles	title_id		

## Triggers

None

## Indices

Name	Columns	Clustered	Unique
titleidind	title_id		

## Checks

None

## Explicit Permissions:

None

# [dbo].[sales]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	stor_id	char(4)			X				X		
2	ord_num	varchar(20)							X		
3	ord_date	datetime									
4	qty	smallint									
5	payterms	varchar(12)									
6	title_id	tid			X				X		

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	24 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	21
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
UPKCL_sales	stor_id ord_num title_id	X	

## Foreign Keys

Name	Columns	Check	Enabled
FK_sales_stor_id_36B12243			
<b>FK_sales_stor_id_36B12243</b>	X	X	
Primary/Unique Key Base Table			
sales	stor_id		
Foreign Key Base Table			
stores	stor_id		
FK_sales_title_id_37A5467C			
<b>FK_sales_title_id_37A5467C</b>	X	X	

Name	Columns	Check	Enabled
Primary/Unique Key Base Table			
sales	title_id		
Foreign Key Base Table			
titles	title_id		

### Triggers

None

### Indices

Name	Columns	Clustered	Unique
titleidind	title_id		
UPKCL_sales	stor_id ord_num title_id	X	

### Checks

None

### Explicit Permissions:

None

# [dbo].[stores]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	stor_id	char(4)							X		
2	stor_name	varchar(40)						X			
3	stor_address	varchar(40)						X			
4	city	varchar(20)						X			
5	state	char(2)						X			
6	zip	char(5)						X			

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	8 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	6
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
UPK_storeid	stor_id	X	

## Foreign Keys

None

## Triggers

None

## Indices

Name	Columns	Clustered	Unique
UPK_storeid	stor_id	X	

## Checks

None



## Explicit Permissions:

None

# [dbo].[titleauthor]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	au_id	id			X				X		
2	title_id	tid			X				X		
3	au_ord	tinyint						X			
4	royaltyper	int						X			

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	40 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	25
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
UPKCL_taind	au_id title_id	X	

## Foreign Keys

Name	Columns	Check	Enabled
FK_titleauth__au_id_30F848ED			
<b>FK_titleauth__au_id_30F848ED</b>	X	X	
Primary/Unique Key Base Table			
titleauthor	au_id		
Foreign Key Base Table			
authors	au_id		
FK_titleauth__title_31EC6D26			
<b>FK_titleauth__title_31EC6D26</b>	X	X	
Primary/Unique Key Base Table			
titleauthor	title_id		
Foreign Key Base Table			

Name	Columns	Check	Enabled
titles	title_id		

## Triggers

None

## Indices

Name	Columns	Clustered	Unique
auind	au_id		
titleind	title_id		
UPKCL_taind	au_id title_id	X	

## Checks

None

## Explicit Permissions:

None

# [dbo].[titles]

Table in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	title_id	tid							X		
2	title	varchar(80)									
3	type	char(12)									('UNDECIDED')
4	pub_id	char(4)			X			X			
5	price	money						X			
6	advance	money						X			
7	royalty	int						X			
8	ytd_sales	int						X			
9	notes	varchar(200)						X			
10	pubdate	datetime									(getdate())

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Data Space Used	8 KB
Date Last Modified	10/10/2016 12:28:43
File Group	PRIMARY
Index Space Used	24 KB
Is Indexable	True
Is Partitioned	False
Is System Object	False
Partition Scheme	
Replicated	False
Row Count	18
Text File Group	

## Column - Extended Properties

None of columns were found to have any Extended Properties

## Primary Keys

Name	Columns	Clustered	Unique
UPKCL_titleidind	title_id	X	

## Foreign Keys

Name	Columns	Check	Enabled
FK_titles_pub_id_2D27B809			
<b>FK_titles_pub_id_2D27B809</b>	X	X	
Primary/Unique Key Base Table			
titles	pub_id		
Foreign Key Base Table			

Name	Columns	Check	Enabled
publishers	pub_id		

## Triggers

None

## Indices

Name	Columns	Clustered	Unique
titleind	title		
UPKCL_titleind	title_id	X	

## Checks

None

## Explicit Permissions:

None

# [dbo].[titleview]

View in Database 'pubs'

## Columns

ID	Name	Data Type	Computed	Full Text Index	Foreign Key	Identity	Not For Repl	Nullable	Primary Key	Persisted	Default
1	title	varchar(80)									
2	au_ord	tinyint						X			
3	au_lname	varchar(40)									
4	price	money						X			
5	ytd_sales	int						X			
6	pub_id	char(4)						X			

## Script

```

1
2 CREATE VIEW titleview
3 AS
4
5 select title, au_ord, au_lname, price, ytd_sales, pub_id
6 from authors, titles, titleauthor
7 where authors.au_id = titleauthor.au_id
8 AND titles.title_id = titleauthor.title_id
9

```

## Triggers

None

## Indices

None

## Explicit Permissions:

None

## Properties

Property	Value
Ansi Nulls Status	True
Create Date	10/10/2016 12:28:43
Date Last Modified	10/10/2016 12:28:43
Is Encrypted	False
Is Indexable	False
Is Schema Bound	False
Is System Object	False
Returns View Metadata	False

# [dbo].[byroyalty]

StoredProcedure in Database 'pubs'

## Properties

Property	Value
Assembly Name	
Class Name	
Create Date	10/10/2016 12:28:43
Date Last Modified	10/10/2016 12:28:43
Execution Context	Caller
For Replication	False
Implementation Type	TransactSql
Method Name	
Recompile	False
Startup	False

## Script

```
1  
2 CREATE PROCEDURE byroyalty @percentage int  
3 AS  
4 select au_id from titleauthor  
5 where titleauthor.royaltyper = @percentage  
6
```

## Explicit Permissions:

None

# [dbo].[reptq1]

StoredProcedure in Database 'pubs'

## Properties

Property	Value
Assembly Name	
Class Name	
Create Date	10/10/2016 12:28:43
Date Last Modified	10/10/2016 12:28:43
Execution Context	Caller
For Replication	False
Implementation Type	TransactSql
Method Name	
Recompile	False
Startup	False

## Script

```
1  
2 CREATE PROCEDURE reptq1 AS  
3 select  
4     case when grouping(pub_id) = 1 then "ALL else pub_id end as pub_id,  
5     avg(price) as avg_price  
6 from titles  
7 where price is NOT NULL  
8 group by pub_id with rollup  
9 order by pub_id  
10
```

## Explicit Permissions:

None



# [dbo].[reptq2]

StoredProcedure in Database 'pubs'

## Properties

Property	Value
Assembly Name	
Class Name	
Create Date	10/10/2016 12:28:43
Date Last Modified	10/10/2016 12:28:43
Execution Context	Caller
For Replication	False
Implementation Type	TransactSql
Method Name	
Recompile	False
Startup	False

## Script

```
1  
2 CREATE PROCEDURE reptq2 AS  
3 select  
4     case when grouping(type) = 1 then "ALL else type end as type,  
5     case when grouping(pub_id) = 1 then "ALL else pub_id end as pub_id,  
6     avg(ytd_sales) as avg_ytd_sales  
7 from titles  
8 where pub_id is NOT NULL  
9 group by pub_id, type with rollup  
10
```

## Explicit Permissions:

None

## [dbo].[reptq3]

StoredProcedure in Database 'pubs'

### Properties

Property	Value
Assembly Name	
Class Name	
Create Date	10/10/2016 12:28:43
Date Last Modified	10/10/2016 12:28:43
Execution Context	Caller
For Replication	False
Implementation Type	TransactSql
Method Name	
Recompile	False
Startup	False

### Script

```

1
2 CREATE PROCEDURE reptq3 @lolimit money, @hilimit money,
3 @type char(12)
4 AS
5 select
6     case when grouping(pub_id) = 1 then "ALL else pub_id end as pub_id,
7     case when grouping(type) = 1 then "ALL else type end as type,
8     count(title_id) as cnt
9 from titles
10 where price >@lolimit AND price <@hilimit AND type = @type OR type LIKE "%cook%"
11 group by pub_id, type with rollup
12

```

### Explicit Permissions:

None

## [Microsoft.SqlServer.Types]

SqlAssembly in Database 'pubs'

### Properties

Property	Value
----------	-------

## [dbo].[empid]

UserDefinedDataType in Database 'pubs'

### Properties

Property	Value
Allow Identity	False
Collation	Latin1_General_CI_AS
Default	
Default Schema	
ID	259
Length	9
Max Length	9
Nullable	False
Numeric Precision	0
Numeric Scale	0
Rule	

Property	Value
Rule Schema	
System Type	char
Variable Length	False

## Bound Columns

Name	Parent
emp_id	[dbo].[employee]

## Explicit Permissions:

public [DatabaseRole]

Permission	Grantor	Grant	With Grant	Deny
REFERENCES	dbo	X		

## [dbo].[id]

UserDefinedDataType in Database 'pubs'

## Properties

Property	Value
Allow Identity	False
Collation	Latin1_General_CI_AS
Default	
Default Schema	
I D	257
Length	11
Max Length	11
Nullable	False
Numeric Precision	0
Numeric Scale	0
Rule	
Rule Schema	
System Type	varchar
Variable Length	True

## Bound Columns

Name	Parent
au_id	[dbo].[authors]
au_id	[dbo].[titleauthor]

## Explicit Permissions:

public [DatabaseRole]

Permission	Grantor	Grant	With Grant	Deny
REFERENCES	dbo	X		

## [dbo].[tid]

UserDefinedDataType in Database 'pubs'

## Properties

Property	Value
Allow Identity	False
Collation	Latin1_General_CI_AS
Default	
Default Schema	
I D	258
Length	6

Property	Value
Max Length	6
Nullable	False
Numeric Precision	0
Numeric Scale	0
Rule	
Rule Schema	
System Type	varchar
Variable Length	True

## Bound Columns

Name	Parent
title_id	[dbo].[titles]
title_id	[dbo].[titleauthor]
title_id	[dbo].[sales]
title_id	[dbo].[roysched]

## Explicit Permissions:

public [DatabaseRole]

Permission	Grantor	Grant	With Grant	Deny
REFERENCES	dbo	X		

## [dbo]

User in Database 'pubs'

## Database role membership

db\_owner

## Schemas owned by this User

dbo

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	10/10/2016 12:28:43
Default Schema	dbo
Has D B Access	True
Is System Object	True
Login	STARPRINT-DEV-X\Dell
Login Type	WindowsUser
User Type	SqlLogin

## [guest]

User in Database 'pubs'

## Database role membership

None

## Schemas owned by this User

guest

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	08/04/2003 09:10:42
Default Schema	guest

Property	Value
Has D B Access	False
Is System Object	True
Login	
Login Type	SqlLogin
User Type	NoLogin

## [INFORMATION\_SCHEMA]

User in Database 'pubs'

### Database role membership

None

### Schemas owned by this User

INFORMATION\_SCHEMA

### Properties

Property	Value
Create Date	13/04/2009 12:59:11
Date Last Modified	13/04/2009 12:59:11
Default Schema	
Has D B Access	False
Is System Object	True
Login	
Login Type	SqlLogin
User Type	NoLogin

## [sys]

User in Database 'pubs'

### Database role membership

None

### Schemas owned by this User

Microsoft.SqlServer.Types  
sys

### Properties

Property	Value
Create Date	13/04/2009 12:59:11
Date Last Modified	13/04/2009 12:59:11
Default Schema	
Has D B Access	False
Is System Object	True
Login	
Login Type	SqlLogin
User Type	NoLogin

## [db\_accessadmin]

DatabaseRole in Database 'pubs'

### Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14

Property	Value
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_accessadmin

## Members

None

## Explicit Permissions:

None

# [db\_backupoperator]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_backupoperator

## Members

None

## Explicit Permissions:

None

# [db\_datareader]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_datareader

## Members

None

## Explicit Permissions:

None

# [db\_datawriter]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_datawriter

## Members

None

## Explicit Permissions:

None

## [db\_ddladmin]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_ddladmin

## Members

None

## Explicit Permissions:

None

## [db\_denydatareader]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_denydatareader

## Members

None

## Explicit Permissions:

None

## [db\_denydatawriter]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_denydatawriter

## Members

None

## Explicit Permissions:

None

## [db\_owner]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_owner

## Members

dbo

## Explicit Permissions:

None

## [db\_securityadmin]

DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	True
Owner	dbo

## Owned Schemas

db\_securityadmin

## Members

None

## Explicit Permissions:

None

## [public]



DatabaseRole in Database 'pubs'

## Properties

Property	Value
Create Date	08/04/2003 09:10:42
Date Last Modified	13/04/2009 12:59:14
Is Fixed Role	False
Owner	dbo

## Owned Schemas

None

## Members

None

## Explicit Permissions:

None

## [db\_accessadmin]

Schema in Database 'pubs'

## Owned Objects

None

## Explicit Permissions:

None

## Properties

Property	Value
Owner	db_accessadmin

## [db\_backupoperator]

Schema in Database 'pubs'

## Owned Objects

None

## Explicit Permissions:

None

## Properties

Property	Value
Owner	db_backupoperator

## [db\_datareader]

Schema in Database 'pubs'

## Owned Objects

None

## Explicit Permissions:

None

## Properties

Property	Value
Owner	db_datareader

## [db\_datawriter]

Schema in Database 'pubs'

### Owned Objects

None

### Explicit Permissions:

None

### Properties

Property	Value
Owner	db_datawriter

## [db\_ddladmin]

Schema in Database 'pubs'

### Owned Objects

None

### Explicit Permissions:

None

### Properties

Property	Value
Owner	db_ddladmin

## [db\_denydatareader]

Schema in Database 'pubs'

### Owned Objects

None

### Explicit Permissions:

None

### Properties

Property	Value
Owner	db_denydatareader

## [db\_denydatawriter]

Schema in Database 'pubs'

### Owned Objects

None

### Explicit Permissions:

None

### Properties

Property	Value
Owner	db_denydatawriter

## [db\_owner]

Schema in Database 'pubs'

## Owned Objects

None

## Explicit Permissions:

None

## Properties

Property	Value
Owner	db_owner

# [db\_securityadmin]

Schema in Database 'pubs'

## Owned Objects

None

## Explicit Permissions:

None

## Properties

Property	Value
Owner	db_securityadmin

# [dbo]

Schema in Database 'pubs'

## Owned Objects

Name	Type
authors	Table
byroyalty	StoredProcedure
discounts	Table
empid	UserDefinedDataType
employee	Table
employee_insupd	Trigger
EventNotificationErrorsQueue	ServiceQueue
id	UserDefinedDataType
jobs	Table
pub_info	Table
publishers	Table
QueryNotificationErrorsQueue	ServiceQueue
reptq1	StoredProcedure
reptq2	StoredProcedure
reptq3	StoredProcedure
roysched	Table
sales	Table
ServiceBrokerQueue	ServiceQueue
stores	Table
tid	UserDefinedDataType
titleauthor	Table
titles	Table
titleview	View

## Explicit Permissions:

None

## Properties

Property	Value
Owner	dbo

## [guest]

Schema in Database 'pubs'

## Owned Objects

None

## Explicit Permissions:

None

## Properties

Property	Value
Owner	guest

## [INFORMATION\_SCHEMA]

Schema in Database 'pubs'

## Owned Objects

Name	Type
CHECK_CONSTRAINTS	View
COLUMN_DOMAIN_USAGE	View
COLUMN_PRIVILEGES	View
COLUMNS	View
CONSTRAINT_COLUMN_USAGE	View
CONSTRAINT_TABLE_USAGE	View
DOMAIN_CONSTRAINTS	View
DOMAINS	View
KEY_COLUMN_USAGE	View
PARAMETERS	View
REFERENTIAL_CONSTRAINTS	View
ROUTINE_COLUMNS	View
ROUTINES	View
SCHEMATA	View
SEQUENCES	View
TABLE_CONSTRAINTS	View
TABLE_PRIVILEGES	View
TABLES	View
VIEW_COLUMN_USAGE	View
VIEW_TABLE_USAGE	View
VEWS	View

## Explicit Permissions:

None

## Properties

Property	Value
Owner	INFORMATION_SCHEMA

## [sys]

Schema in Database 'pubs'

## Owned Objects

### Explicit Permissions:

None

### Properties

Property	Value
Owner	sys

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address, 7  
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