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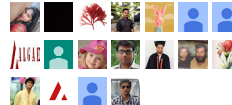
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Database cannot be shrunk as it is either being shrunk by another process or is empty.

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Frequently Used Queries In SQL Server  
Frequently used DMV's in SQL Server

## 1. Check existence of database in SQL Server

```
use DB_ID() function
Example:
IF DB_ID('Student') IS NOT NULL
BEGIN
-- write your logic here
END
```

## 2. Check existence of table in the database in SQL Server

```
use sys.Tables
Example:
IF EXISTS(Select null from sys.Tables where Name = 'Account')
BEGIN
-- write your logic here
END
```

## 3. Check existence of Stored Procedure in SQL Server

```
use sys.procedures
Example:
IF EXISTS(SELECT null FROM sys.procedures WHERE Name ='sp_Student_Select')
BEGIN
-- write your logic here
END
```

## 4. Check existence of Function in SQL Server

```
use sys.objects
Example:
IF EXISTS (SELECT null FROM sys.objects WHERE Name ='GetSalary')
BEGIN
-- write your logic here
END
```

## 5. Create an index on Table in SQL Server

```
CREATE INDEX IndexName ON TableName(Column1,Column2);
```

## 6. Delete duplicate rows from Table in SQL Server

```
By Using Row_Number
Example:
WITH AccountTemp (Name,duplicateCount)AS
(SELECT Name,ROW_NUMBER() OVER(PARTITION by Name ORDER BY Name) AS duplicateCount FROM Account)
--Now delete records from TempTable
Delete from AccountTemp WHERE duplicateCount > 1
```

## 7. Find Tables without index in SQL Server

```
SELECT Name as 'TableName' FROM SYS.tables WHERE OBJECTPROPERTY(OBJECT_ID,'TableHasIndex')=0
```

## 8. Find Tables without Primary Key in SQL Server

```
SELECT Name as 'TableName' FROM SYS.Tables
WHERE OBJECTPROPERTY(object_id,'TableHasPrimaryKey')= 0 AND type= 'U'
```

## 9. Find Specific text in Stored Procedure in SQL Server

```
SELECT OBJECT_NAME(object_id),OBJECT_DEFINITION(object_id) FROM sys.procedures
WHERE OBJECT_DEFINITION(object_id) LIKE '%SearchText%'
```

## 10. Find tables that have specified column name in SQL Server

```
SELECT SCHEMA_NAME(schema_id)+ '.' +t.name AS 'TableName' FROM
sys.tables t INNER JOIN sys.columns c ON c.object_id= t.object_id
WHERE c.name like '%ColumnName%'
```

## 11. List down all Database in SQL Server

```
sp_helpdb
```

## 12. Get All Stored Procedure present in all Database in SQL Server

```
SELECT DISTINCT b.name FROM syscomments co INNER JOIN sysobjects b ON co.id=b.id
WHERE b.xtype='P'
```

## 13. Get All Stored Procedure Related To Table in SQL Server

```
SELECT DISTINCT o.name FROM syscomments c INNER JOIN sysobjects o ON c.id=o.id
WHERE c.TEXT LIKE '%Table_Name%' AND o.xtype='P'
```

## 14. RESEED Identity of all tables in SQL Server

```
EXEC sp_MSForEachTable'
IF OBJECTPROPERTY(object_id("?", "TableHasIdentity") = 1
DBCC CHECKIDENT ("?", RESEED, 1)'
```

## 15. Select a List of tables with a number of records

```
SELECT o.NAME 'Table Name',i.rowcnt 'No of Rows'
FROM sysindexes AS i INNER JOIN sysobjects AS o ON i.id = o.id
WHERE i.indid < 2 AND OBJECTPROPERTY(o.id, 'IsMSShipped') = 0
ORDER BY o.NAME
```

## 16. Get Current Language of SQL Server

```
SELECT @@LANGUAGE AS CurLang;
```

## 17. Disable all constraints of a table in SQL Server

```
ALTER TABLE TableName
NOCHECK CONSTRAINT ALL
```

## 18. Enable all constraints of a table in SQL Server

```
ALTER TABLE TableName
CHECK CONSTRAINT ALL
```

## 19. Find a list of Stored procedure modified in the last N days in SQL Server

```
SELECT name,modify_date
FROM sys.objects
WHERE type='P' AND DATEDIFF(D,modify_date,GETDATE())<'N'
```

## 20. Find a List of Stored procedures created in the last N days in SQL Server

```
SELECT name, create_date
FROM sys.objects
WHERE type='P' AND DATEDIFF(D,modify_date,GETDATE())<'N'
```

## 21. Get all columns of a specific data type in SQL Server

```
SELECT OBJECT_NAME(col.OBJECT_ID) as TableName,col.name as ColumnName
FROM sys.columns AS col JOIN sys.types AS tp ON col.user_type_id=tp.user_type_id
WHERE tp.name ='Data Type';
```

## 22. Get all Nullable columns of a table in SQL Server

```
SELECT OBJECT_NAME(col.OBJECT_ID) as TableName, col.name as ColumnName
FROM sys.columns AS col JOIN sys.types AS tp ON col.user_type_id=tp.user_type_id
WHERE col.is_nullable=0 AND OBJECT_NAME(col.OBJECT_ID)=Table_Name';
```

## 23. Get the First Date of Current Month in SQL Server

```
SELECT CONVERT(VARCHAR(25),DATEADD(DAY,-(DAY(GETDATE()))+1,GETDATE()),105) FirstDate;
```

## 24. Select first 3 characters in String in SQL Server

```
SELECT substring('India',1,3);
```

## 25. Find Position in String in SQL Server

```
SELECT CHARINDEX('My', 'My India', 1);
```

## 26. Get First Name, Year, Month and Date of joining year of an employee in SQL Server

```
Select SUBSTRING (convert(varchar,joiningdate,103),7,4) , SUBSTRING
(convert(varchar,joiningdate,100),1,3), SUBSTRING(convert(varchar,joiningdate,100),5,2)
from Emp;
```

## 27. Find Second highest salary from Employee table in SQL Server

```
SELECT MAX(Sal) FROM Emp WHERE Sal NOT IN (select MAX(Sal) from Emp;
```

## 28. Find Maximum Salary from each department in SQL Server

```
SELECT DepartmentID,MAX(Sal) FROM Emp GROUP BY DepartmentID;
```

## 29. Check Whether the given date is in a particular format or not in SQL Server

```
SELECT ISDATE('01/24/17') AS 'MM/DD/YY';
```

## 30. Find Odd rows from a table

```
SELECT E.BrandId, E.Brand FROM (
SELECT *, Row_Number() OVER(ORDER BY BrandId) AS RowNumber FROM Brand) E
WHERE E.RowNumber % 2 = 1
```

## 31. Find even rows from a table



```
SELECT E.BrandId, E.Brand
FROM (SELECT *, Row_Number() OVER(ORDER BY BrandId) AS RowNumber FROM Brand)
E WHERE E.RowNumber % 2 = 1
```

### 32. Find Most used tables In SQL Server

```
SELECT db_name(ius.database_id) AS DatabaseName, tbl.NAME AS TableName,
SUM(ius.user_seeks + ius.user_scans + ius.user_lookups) AS NbrTimesAccessed
FROM sys.dm_db_index_usage_stats ius INNER JOIN sys.tables tbl ON tbl.OBJECT_ID = ius.object_id
WHERE database_id = DB_ID('DV_Migration') GROUP BY database_id, tbl.name
ORDER BY SUM(ius.user_seeks + ius.user_scans + ius.user_lookups) DESC
```

### 33. Find most-used indexes In SQL Server

```
SELECT db_name(ius.database_id) AS DatabaseName,
tbl.NAME AS TableName, i.NAME AS IndexName, i.type_desc AS IndexType,
ius.user_seeks + ius.user_scans + ius.user_lookups AS NbrTimesAccessed
FROM sys.dm_db_index_usage_stats ius
INNER JOIN sys.indexes i ON i.OBJECT_ID = ius.OBJECT_ID AND i.index_id = ius.index_id
INNER JOIN sys.tables tbl ON tbl.OBJECT_ID = i.object_id
WHERE database_id = DB_ID('DV_Migration')
ORDER BY ius.user_seeks + ius.user_scans + ius.user_lookups DESC
```

### 34. Find Most frequently run queries in SQL Server

```
SELECT [Individual Query] = SUBSTRING (qt.text, qs.statement_start_offset/2,
(CASE WHEN qs.statement_end_offset = -1
THEN LEN(CONVERT(NVARCHAR(MAX), qt.text)) * 2
ELSE qs.statement_end_offset END - qs.statement_start_offset)/2)
, [Parent Query] = qt.text, DatabaseName = DB_NAME(qt.dbid)
FROM sys.dm_exec_query_stats qs
CROSS APPLY sys.dm_exec_sql_text(qs.sql_handle) as qt ORDER BY qs.execution_count desc;
```

### 35. Find the size of the log for each database

```
DBCC SQLPERF (LOGSPACE);
```

### 36. Find what request is running on the server

```
SELECT SUBSTRING(dest.text, ( deqs.statement_start_offset / 2 ) + 1,
( CASE deqs.statement_end_offset WHEN -1 THEN DATALENGTH(dest.text)
ELSE deqs.statement_end_offset- deqs.statement_start_offset
END ) / 2 + 1) AS querystatement , deqp.query_plan , deqs.execution_count , deqs.total_worker_time , deqs.total_logical_reads , deqs.total_elapsed_time FROM sys.dm_exec_query_
CROSS APPLY sys.dm_exec_sql_text(deqs.sql_handle) AS dest
CROSS APPLY sys.dm_exec_query_plan(deqs.plan_handle) AS deqp;
```

### 37. Find disk space of individual objects, tables, and indexes in SQL server

```
EXEC sys.sp_spaceused @objname = N'Sales.SalesOrderHeader';
```

### 38. Finding duplicate records in Table in SQL Server


```
SELECT Name, Count(Name) FROM TableName GROUP BY Name
HAVING Count(Name)>1
```

### 39. Query for Displaying Primary Keys in SQL Server


```
SELECT * FROM Sys.Objects WHERE Type='PK'
```

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
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The media family on device \* is incorrectly formed. SQL Server cannot process this media family



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
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