

Connect



- DESKTOP-1N4Q8MN\MSSQLSERVER01
 - Databases
 - System Databases
 - Database Snapshots
 - EDUCATION
 - INSTITUTION
 - TECHNOLOGY
 - WEB DEVELOPMENT
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

```
/** 1. Show how to create and drop a database **/
```

```
CREATE DATABASE INSTITUTION;
```

100 % Messages

Commands completed successfully.

Completion time: 2021-02-13T10:57:37.2857501+05:30

100 % Messages

Query executed successfully.

DESKTOP-1N4Q8MN

Connect ▾

- DESKTOP-1N4Q8MN\MSSQLSERVER01
 - Databases
 - + System Databases
 - + Database Snapshots
 - + EDUCATION
 - + TECHNOLOGY
 - + WEB DEVELOPMENT
 - + Security
 - + Server Objects
 - + Replication
 - + PolyBase
 - + Always On High Availability
 - + Management
 - + Integration Services Catalogs
 - ☒ SQL Server Agent (Agent XPs disabled)
 - + XEvent Profiler

```
/** 1. Show how to create and drop a database **/
```

```
CREATE DATABASE INSTITUTION;
```

```
DROP DATABASE INSTITUTION;
```

100 %

Messages

Commands completed successfully.

Completion time: 2021-02-13T11:02:12.4361221+05:30

100 %

Query executed successfully.

DESKTOP-1N4Q8MN\

Object Explorer

Connect ▾

DESKTOP-1N4Q8MN\MSSQLSERVER01

- Databases
 - System Databases
 - Database Snapshots
 - EDUCATION
 - TECHNOLOGY
 - WEB DEVELOPMENT
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

SQLQuery1.sql - 4Q8MN\ADMIN (53) * X

```
/** 1. Show how to create and drop a database **/CREATE DATABASE INSTITUTION;DROP DATABASE INSTITUTION;/** 2. Show all the databases in the system **/SELECT * FROM sys.databases;
```

Results Messages

	name	database_id	source_database_id	owner_sid	create_date	compatibility_level	collation_name
1	master	1	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CI_AS
2	tempdb	2	NULL	0x01	2021-02-12 20:15:45.717	150	SQL_Latin1_General_CI_AS
3	model	3	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CI_AS
4	msdb	4	NULL	0x01	2019-09-24 14:21:42.270	150	SQL_Latin1_General_CI_AS
5	EDUCATION	5	NULL	0x0105000000000051500000FF74FBDEB412E1C8F3C558...	2021-02-12 16:21:54.747	150	SQL_Latin1_General_CI_AS
6	TECHNOLOGY	6	NULL	0x0105000000000051500000FF74FBDEB412E1C8F3C558...	2021-02-12 17:28:53.420	150	SQL_Latin1_General_CI_AS
7	WEB DEVELOPMENT	7	NULL	0x0105000000000051500000FF74FBDEB412E1C8F3C558...	2021-02-12 17:29:49.657	150	SQL_Latin1_General_CI_AS

Query executed successfully.

DESKTOP-1N4Q8MN\MSSQLSERVER... DESKTOP-1N4Q8MN\ADMIN ... master 00:00:02 7 rows

Ln 11 Col 29 Ch 29 INS

Ready

Object Explorer

Connect ▾

DESKTOP-1N4Q8MN\MSSQLSERVER01

- Databases
 - System Databases
 - Database Snapshots
 - EDUCATION
 - TECHNOLOGY
 - WEB DEVELOPMENT
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent (Agent XPs disabled)
- XEvent Profiler

SQLQuery1.sql - [4Q8MN\ADMIN (53)] ▾ X

```
/** 1. Show how to create and drop a database **/CREATE DATABASE INSTITUTION;DROP DATABASE INSTITUTION;  
/** 2. Show all the databases in the system **/SELECT * FROM sys.databases WHERE database_id>0;
```

100 %

	name	database_id	source_database_id	owner_sid	create_date	compatibility_level	collation_name
1	master	1	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CI_AS
2	tempdb	2	NULL	0x01	2021-02-12 20:15:45.717	150	SQL_Latin1_General_CI_AS
3	model	3	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CI_AS
4	msdb	4	NULL	0x01	2019-09-24 14:21:42.270	150	SQL_Latin1_General_CI_AS
5	EDUCATION	5	NULL	0x0105000000000051500000FF74FBDEB412E1C8F3C558...	2021-02-12 16:21:54.747	150	SQL_Latin1_General_CI_AS
6	TECHNOLOGY	6	NULL	0x0105000000000051500000FF74FBDEB412E1C8F3C558...	2021-02-12 17:28:53.420	150	SQL_Latin1_General_CI_AS
7	WEB DEVELOPMENT	7	NULL	0x0105000000000051500000FF74FBDEB412E1C8F3C558...	2021-02-12 17:29:49.657	150	SQL_Latin1_General_CI_AS

< >

Query executed successfully.

DESKTOP-1N4Q8MN\MSSQLSERVER... DESKTOP-1N4Q8MN\ADMIN ... master 00:00:07 7 rows

In 11 Col 49 Ch 49 INS

Object Explorer

Connect ▾

DESKTOP-1N4Q8MN\MSSQLSERVER

- Databases
 - System Databases
 - Database Snapshots
- EDUCATION
- INSTITUTION
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.STUDENTS
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
- TECHNOLOGY
- WEB DEVELOPMENT
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs

SQLQuery2.sql - ...4Q8MN\ADMIN (54)* → X SQLQuery1.sql - ...4Q8MN\ADMIN (53)*

```
/** 3. Create table for your database **/
```

```
CREATE TABLE STUDENTS (
    studentID int primary key not null,
    Name varchar(50) not null,
    Branch varchar(50) not null,
    Institute varchar(50) not null,
    Address varchar(50) not null
);
```

100 %

Messages

Commands completed successfully.

Completion time: 2021-02-13T13:05:23.8356137+05:30

100 %

Query executed successfully.

DESKTOP-1N4Q8MN\MSSQLSERVER

Connect ▾

- DESKTOP-1N4Q8MN\MSSQLSERVEI ^
- Databases
 - + System Databases
 - + Database Snapshots
 - + EDUCATION
 - + INSTITUTION
 - + Database Diagrams
 - + Tables
 - + System Tables
 - + FileTables
 - + External Tables
 - + Graph Tables
 - + dbo.FACULTY
 - + dbo.STUDENTS
 - + Views
 - + External Resources
 - + Synonyms
 - + Programmability
 - + Service Broker
 - + Storage
 - + Security
 - + TECHNOLOGY
 - + WEB DEVELOPMENT
 - + Security
 - + Server Objects
 - + Replication
 - + PolyBase
 - + Always On High Availability
 - + Management

```
/** 4. Drop the Table **/
```

```
CREATE TABLE table_name(  
    ID int primary key not null,  
    Name varchar(50) not null,  
    Age int not null,  
    Qualification varchar(50) not null,  
    Contact varchar(50) not null  
)
```

```
DROP TABLE table_name;
```

100 %
Messages

Commands completed successfully.

Completion time: 2021-02-13T13:33:31.1373743+05:30

100 %

Query executed successfully.

Explorer

SQLQuery4.sql -...4Q8MN\ADMIN (67))*

SQLQuery3.sql -...4Q8MN\ADMIN (65))*

SQLQuery2.sql -...4Q8MN\ADMIN (54))*

SQLQuery1.sql -

DESKTOP-1N4Q8MN\MSSQLSERVER

Databases

- System Databases
- Database Snapshots
- EDUCATION
- INSTITUTION
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.FACULTY
 - dbo.STUDENTS
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - TECHNOLOGY
 - WEB DEVELOPMENT
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management

** 5. Show how to check the schema of the tables **/

```
sp_help STUDENTS;
```

100 %

Results Messages

Name	Owner	Type	Created_datetime
STUDENTS	dbo	user table	2021-02-13 13:05:21.653

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
studentID	int	no	4	10	0	no	(n/a)	(n/a)	NULL
Name	varchar	no	50			no	no	no	SQL_Latin1_General_CI_AS
Branch	varchar	no	50			no	no	no	SQL_Latin1_General_CI_AS
Institute	varchar	no	50			no	no	no	SQL_Latin1_General_CI_AS
Address	varchar	no	50			no	no	no	SQL_Latin1_General_CI_AS

Identity	Seed	Increment	Not For Replication
No identity column defined.	NULL	NULL	NULL

RowGuidCol

Query executed successfully.

DESKTOP-1N4Q8MN\MSSQLSERVER... DESKTOP-1N4Q8MN\ADMIN ...

Ln 4 Col 18 Ch 18 INS

Object Explorer

SQLQuery5.sql -...4Q8MN\ADMIN (66)* X SQLQuery4.sql -...4Q8MN\ADMIN (67)* X SQLQuery3.sql -...4Q8MN\ADMIN (65)* X SQLQuery2.sql -...4Q8MN\ADMIN (54)*

Connect ▾

DESKTOP-1N4Q8MN\MSSQLSERVER1

- Databases
 - System Databases
 - Database Snapshots
- EDUCATION
- INSTITUTION
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.FACULTY
 - dbo.STUDENTS
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
- TECHNOLOGY
- WEB DEVELOPMENT
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management

** 6. Show all the tables from the database **/

```
SELECT * FROM SYSOBJECTS WHERE xtype='U';
```

100 %

Results Messages

	name	id	xtype	uid	info	status	base_schema_ver	replinfo	parent_obj	crdate	ftcatid	schema_ver	stats_schema_ver	type	userstat	sysstat	indexde
1	STUDENTS	581577110	U	1	0	0	0	0	0	2021-02-13 13:05:21.653	0	0	0	U	1	3	0
2	FACULTY	613577224	U	1	0	0	0	0	0	2021-02-13 13:21:33.967	0	0	0	U	1	3	0

Query executed successfully.

DESKTOP-1N4Q8MN\MSSQLSERVER... DESKTOP-1N4Q8MN\ADMIN ... INSTITUTION 00:00:00 2 rows

Project -      

DESKTOP-1N4Q8MN\MSSQLSERVEI

- Databases
 - + System Databases
 - + Database Snapshots
 - + EDUCATION
 - + INSTITUTION
 - + Database Diagrams
 - + Tables
 - + System Tables
 - + FileTables
 - + External Tables
 - + Graph Tables
 - + dbo.FACULTY
 - + dbo.StudentDetails
 - + dbo.StudentInfo
 - + dbo.STUDENTS
 - + Views
 - + External Resources
 - + Synonyms
 - + Programmability
 - + Service Broker
 - + Storage
 - + Security
- + TECHNOLOGY
- + WEB DEVELOPMENT
- + Security
- + Server Objects
- + Replication
- + PolyBase

/* 7. Create a table using select statement */

```
SELECT name , address INTO StudentInfo from STUDENTS;
```

100 %  

 Messages

(0 rows affected)

Completion time: 2021-02-13T14:02:52.0428035+05:30

100 %  

 Query executed successfully.

Connect ▾



DESKTOP-1N4Q8MN\MSSQLSERVER

Databases

- + System Databases
- + Database Snapshots
- + EDUCATION
- + INSTITUTION
- + Database Diagrams
- + Tables

- + System Tables
- + FileTables
- + External Tables
- + Graph Tables
- + dbo.FACULTY
- + dbo.Fee_Details
- + dbo.StudentDetails
- + dbo.StudentInfo
- + dbo.STUDENTS

- + Views
- + External Resources
- + Synonyms
- + Programmability
- + Service Broker
- + Storage
- + Security

+ TECHNOLOGY

+ WEB DEVELOPMENT

+ Security

+ Server Objects

+ Replication

/** 8. Create a table which has derived attribute **/

```
CREATE TABLE Fee_Details (
    Student_ID int primary key not null,
    Student_name varchar(50) not null,
    Branch varchar(50) not null,
    Contact varchar(50) not null,
    Address varchar(50) not null,
    Total_Fee int not null
);
```

100 %

Messages

Commands completed successfully.

Completion time: 2021-02-13T14:12:27.3730601+05:30

100 %

Query executed successfully.

DESKTOP-11