

# **DBMS-LAB-ASSIGNMENT-2**

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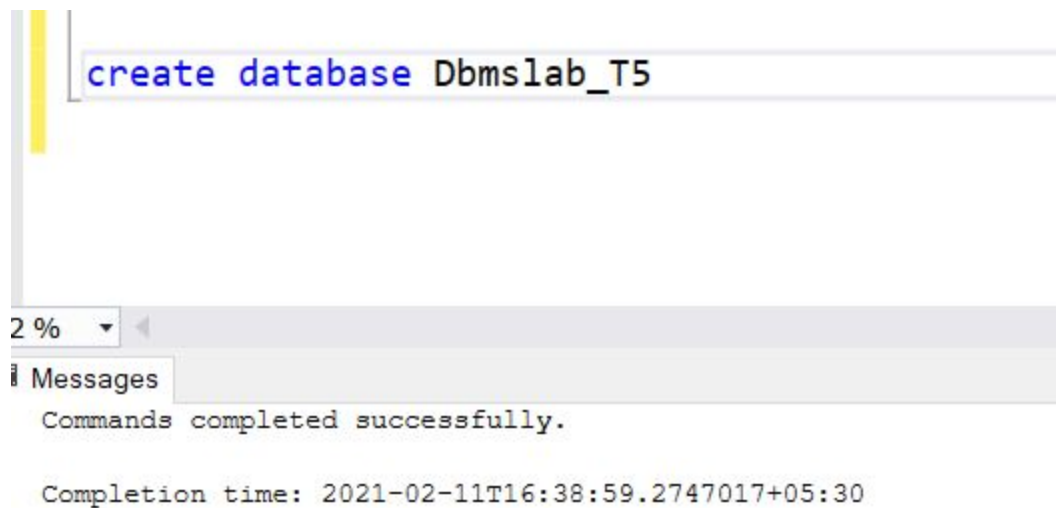
Reg.no:- 19BCS102

1) Show how to Create and Drop Database

Creating Database:--

create database Dbmslab\_T5

Output:-

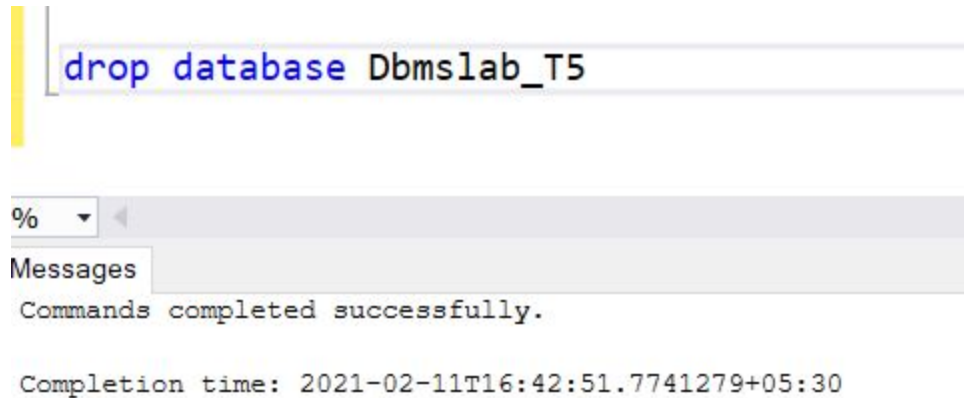


The screenshot shows a command prompt window with the text 'create database Dbmslab\_T5' entered. Below the command, a status bar indicates '2 %' completion. A 'Messages' tab is active, displaying the message 'Commands completed successfully.' and the completion time '2021-02-11T16:38:59.2747017+05:30'.

Database Drop:-

drop database Dbmslab\_T5

Output:-



```
drop database Dbmslab_T5
```

Messages

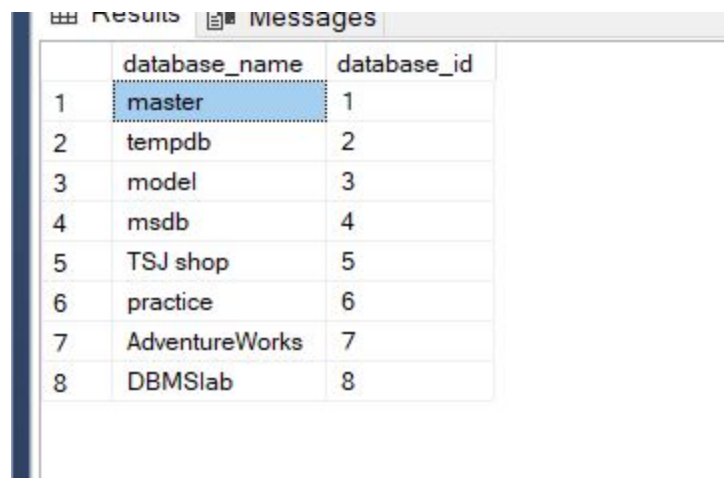
Commands completed successfully.

Completion time: 2021-02-11T16:42:51.7741279+05:30

2) Show all the Databases are in the system

```
select [name] as database_name,  
       database_id,  
       create_date  
from sys.databases  
order by database_id
```

Output:-



	database_name	database_id
1	master	1
2	tempdb	2
3	model	3
4	msdb	4
5	TSJ shop	5
6	practice	6
7	AdventureWorks	7
8	DBMSlab	8

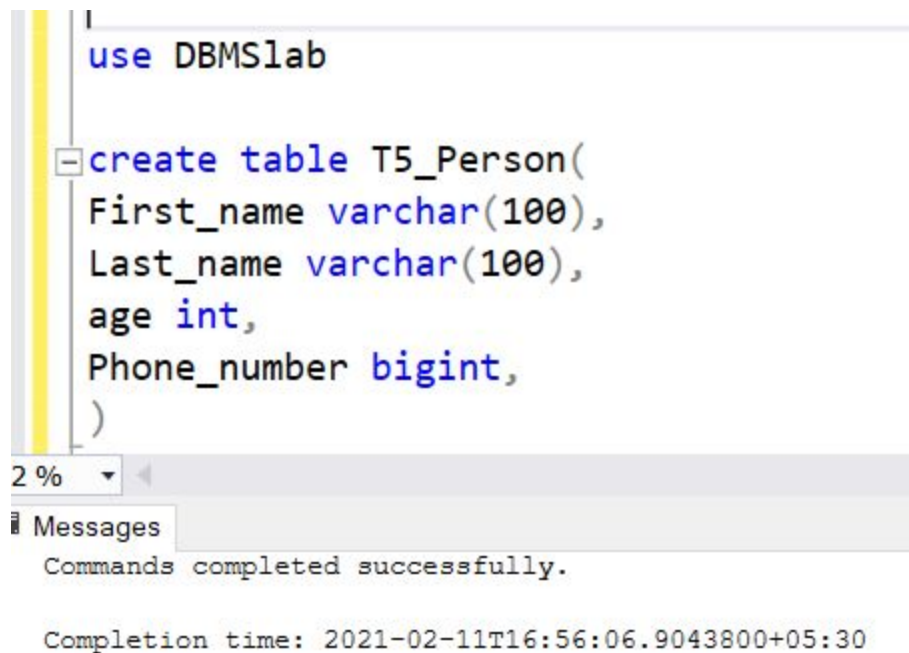
### 3) Create Table for your Database

#### Query:-

use DBMSlab

```
create table T5_Person(  
First_name varchar(100),  
Last_name varchar(100),  
age int,  
Phone_number bigint,  
)
```

#### Output:-



The screenshot shows a database query execution window. The query entered is: `use DBMSlab` followed by `create table T5_Person(`, `First_name varchar(100),`, `Last_name varchar(100),`, `age int,`, `Phone_number bigint,`, and `)`. The output area shows the message "Commands completed successfully." and the completion time "2021-02-11T16:56:06.9043800+05:30".

```
use DBMSlab  
  
create table T5_Person(  
First_name varchar(100),  
Last_name varchar(100),  
age int,  
Phone_number bigint,  
)
```

2 %

Messages

Commands completed successfully.

Completion time: 2021-02-11T16:56:06.9043800+05:30

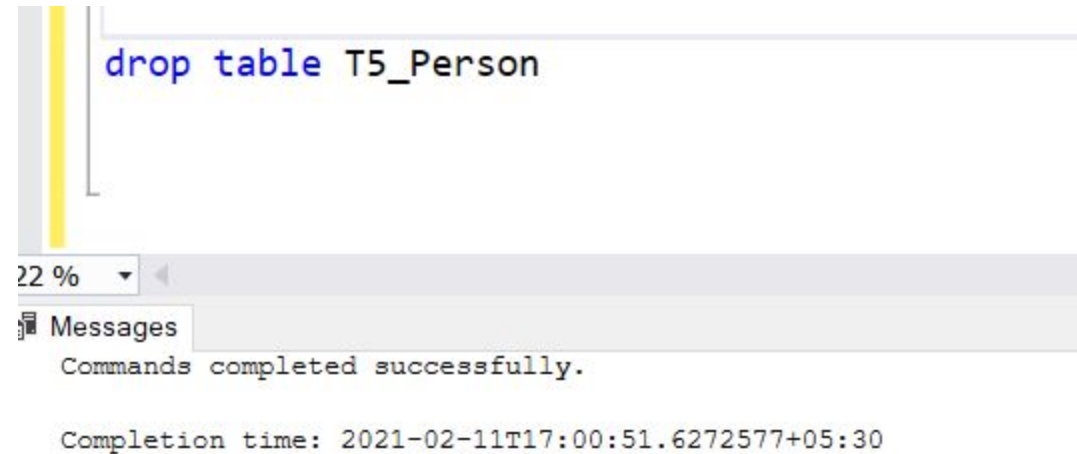
### 4)

Drop table

Query:-

drop table T5\_Person

Output:-



The screenshot shows a SQL query execution window. The query entered is "drop table T5\_Person". Below the query, a progress bar indicates 22% completion. A "Messages" pane at the bottom displays the message "Commands completed successfully." and the completion time "2021-02-11T17:00:51.6272577+05:30".

```
drop table T5_Person
```

22 %

Messages

Commands completed successfully.

Completion time: 2021-02-11T17:00:51.6272577+05:30

5 & 6) Show how to check the schema of the tables  
Show all the tables from the database

Query:-

Select \* From INFORMATION\_SCHEMA.TABLES

Output:-

Results		Messages		
	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	TABLE_TYPE
1	DBMSlab	dbo	T5_Subject	BASE TABLE
2	DBMSlab	dbo	T5_Grade	BASE TABLE
3	DBMSlab	dbo	sysdiagrams	BASE TABLE
4	DBMSlab	dbo	T5_Student	BASE TABLE
5	DBMSlab	dbo	T5_Class_Details	BASE TABLE
6	DBMSlab	dbo	T5_Faculty	BASE TABLE

## 7) Create Table using Select Statement

### Query:-

Select \* Into T5\_Group From T5\_Student

### Output:-

---

(0 rows affected)

Completion time: 2021-02-11T17:22:19.6295587+05:30

The screenshot shows a SQL query execution window. The query entered is `select * from T5_Group`. Below the query, there is a tab labeled 'Results' and another tab labeled 'Messages'. The 'Results' tab is active, displaying a table structure with the following columns: Student\_ID, First\_Name, Last\_Name, Date\_Of\_Birth, Phone\_number, Email\_id, and Address.

Student_ID	First_Name	Last_Name	Date_Of_Birth	Phone_number	Email_id	Address
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8) Create a table which has derived attribute.

Query for creating table:-

```
create table T5_Employee(
First_Name varchar(100),
Last_Name varchar(100),
Dob Date,
Age as (datediff (year,Dob,getdate())),
Salary bigint,
Expenditure bigint,
savings as (Salary-Expenditure),
)
```

Output:-

Commands completed successfully.

Completion time: 2021-02-11T17:26:47.2156029+05:30

### Inserting values into T5\_Employee:-

```
insert into T5_Employee values('Pranay', 'Sai teja' ,  
'1999-10-12',100000,5000)
```

```
insert into T5_Employee values('Mahesh', 'babu' ,  
'1998-12-16',12000,6000)
```

```
insert into T5_Employee values('rohith', 'vikram' ,  
'2001-05-18',20000,10000)
```

### Output:-

```
(1 row affected)
```

```
(1 row affected)
```

```
(1 row affected)
```

```
Completion time: 2021-02-11T17:32:28.6927215+05:30
```

### Executing table:-

```
select * from T5_Employee
```

Results		Messages					
	First_Name	Last_Name	Dob	Age	Salary	Expenditure	savings
1	Pranay	Sai teja	1999-10-12	22	100000	5000	95000
2	Mahesh	babu	1998-12-16	23	12000	6000	6000
3	rohith	vikram	2001-05-18	20	20000	10000	10000