

DBMS Lab Assignment 2

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

```
CREATE DATABASE T8_Hospital_Database;
```

```
DROP DATABASE T8_Hospital_Database;
```

```
/*2.Show all the databases in the system*/
```

```
SELECT *FROM sys.databases WHERE database_id>0;
```

	name	database_id	source_database_id	owner_sid	create_date
1	master	1	NULL	0x01	2003-04-08 09:13:36.390
2	tempdb	2	NULL	0x01	2021-02-11 13:41:06.790
3	model	3	NULL	0x01	2003-04-08 09:13:36.390
4	msdb	4	NULL	0x01	2019-09-24 14:21:42.270

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

```
CREATE TABLE patient
```

```
(ID INT NOT NULL
```

```
CONSTRAINT AK_ID UNIQUE(ID),
```

```
Assigned_Doctor INT NOT NULL,
```

```
Patient_Name VARCHAR,
```

```
Gender VARCHAR NOT NULL,
```

```
DOB DATE NOT NULL,
```

```
Condition VARCHAR NOT NULL,
```

```
Blood_Group VARCHAR NOT NULL,
```

```
Address VARCHAR NOT NULL,
```

```
Phone_Number INT NOT NULL
```

```
CONSTRAINT AK_Phone_Number UNIQUE(Phone_Number),,);
```

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

```
CREATE TABLE TEST(
```

```
TEST1 INT NOT NULL,);
```

```
DROP TABLE TEST;
```

```
/*5. Show how to check the schema of the tables*/
sp_help patient;
```

Results

Messages

	Name	Owner	Type	Created_datetime						
1	patient	dbo	user table	2021-02-13 12:34:11.340						

	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
1	ID	int	no	4	10	0	no	(n/a)	(n/a)	NULL
2	Assigned_Doctor	int	no	4	10	0	no	(n/a)	(n/a)	NULL
3	Patient_Name	varchar	no	1			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
4	Gender	varchar	no	1			no	no	no	SQL_Latin1_General_CP1_CI_AS
5	DOB	date	no	3	10	0	no	(n/a)	(n/a)	NULL
6	Condition	varchar	no	1			no	no	no	SQL_Latin1_General_CP1_CI_AS
7	Blood_Group	varchar	no	1			no	no	no	SQL_Latin1_General_CP1_CI_AS
8	Address	varchar	no	1			no	no	no	SQL_Latin1_General_CP1_CI_AS

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

RowGuidCol	
1	No rowguidcol column defined.

Data_located_on_filegroup	
1	PRIMARY

	index_name	index_description	index_keys
1	AK_ID	nonclustered, unique, unique key located on PRIMA...	ID
2	AK_Phone_Number	nonclustered, unique, unique key located on PRIMA...	Phone_Number

	constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
1	UNIQUE (non-clustered)	AK_ID	(n/a)	(n/a)	(n/a)	(n/a)	ID
2	UNIQUE (non-clustered)	AK_Phone_Number	(n/a)	(n/a)	(n/a)	(n/a)	Phone_Number

```
*6. Show all the tables from the database*/
SELECT * FROM SYSOBJECTS WHERE xtype='U';
```

```
/*7.Create table using select statement*/
SELECT ID,Patient_Name,Gender,Phone_Number,Condition INTO
FEE from Patient;
```

```
/*8. Create a table which has derived attribute*/
CREATE TABLE Doctor
(DID INT NOT NULL,
CONSTRAINT AK_DID UNIQUE(DID),
Doctor_Name VARCHAR NOT NULL,
Current_Case VARCHAR,
DPhone_Number VARCHAR NOT NULL
CONSTRAINT AK_DPhone_Number UNIQUE(DPhone_Number),
Qualification VARCHAR NOT NULL,
Salary INT NOT NULL,
D_DIB INT NOT NULL,
Age as DATEDIFF(YEAR,D_DOB,GETDATE()),);
```