

1.

```
CREATE DATABASE T8_Hospital_Database;
```

```
CREATE TABLE Doctor
```

```
(DID INT NOT NULL
```

```
CONSTRAINT AK_DID UNIQUE(DID),
```

```
Doctor_Name VARCHAR(45) NOT NULL,
```

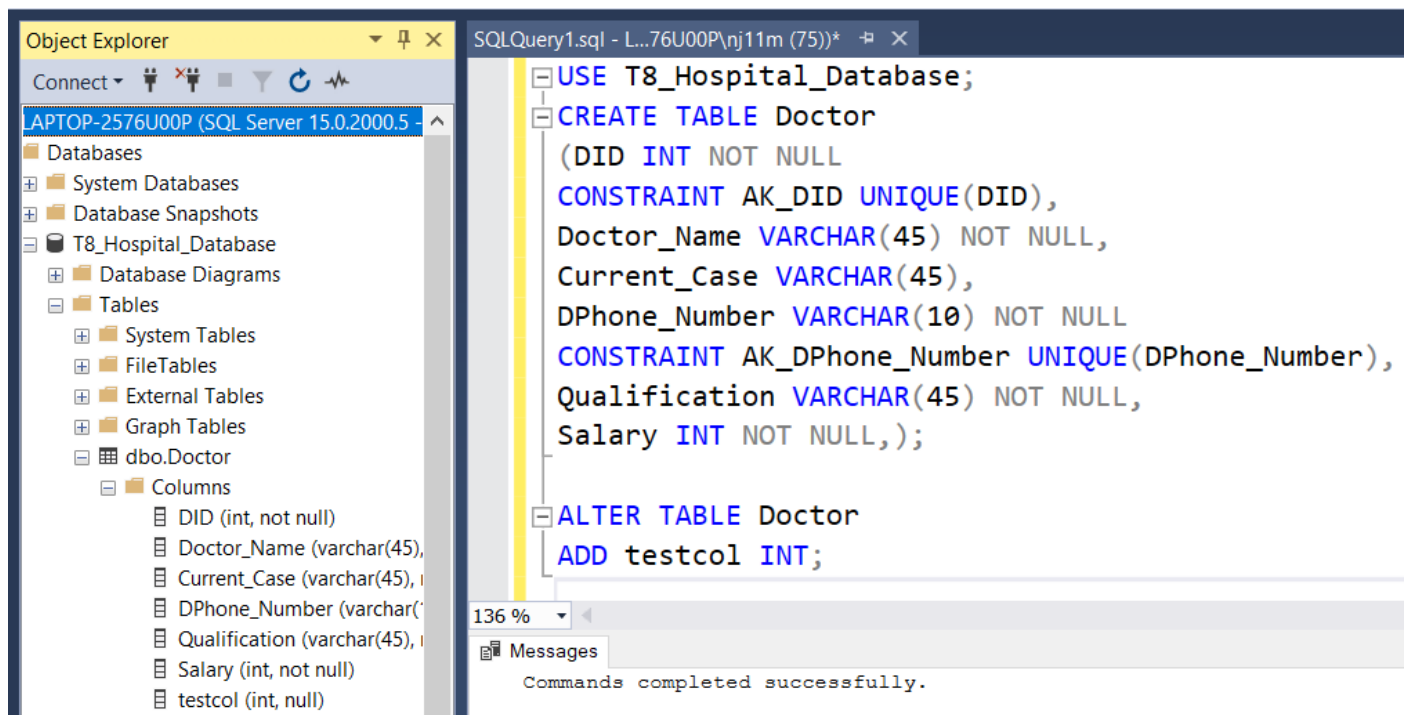
```
Current_Case VARCHAR(45),
```

```
DPhone_Number VARCHAR(10) NOT NULL
```

```
CONSTRAINT AK_DPhone_Number UNIQUE(DPhone_Number),
```

```
Qualification VARCHAR(45) NOT NULL,
```

```
Salary INT NOT NULL,);
```



The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the hierarchy of the T8_Hospital_Database, including the Doctor table. The right pane shows the SQL Query window with the following commands:

```
USE T8_Hospital_Database;  
CREATE TABLE Doctor  
(DID INT NOT NULL  
CONSTRAINT AK_DID UNIQUE(DID),  
Doctor_Name VARCHAR(45) NOT NULL,  
Current_Case VARCHAR(45),  
DPhone_Number VARCHAR(10) NOT NULL  
CONSTRAINT AK_DPhone_Number UNIQUE(DPhone_Number),  
Qualification VARCHAR(45) NOT NULL,  
Salary INT NOT NULL,);  
  
ALTER TABLE Doctor  
ADD testcol INT;
```

The Messages pane at the bottom indicates that the commands were completed successfully.

ALTER TABLE Doctor

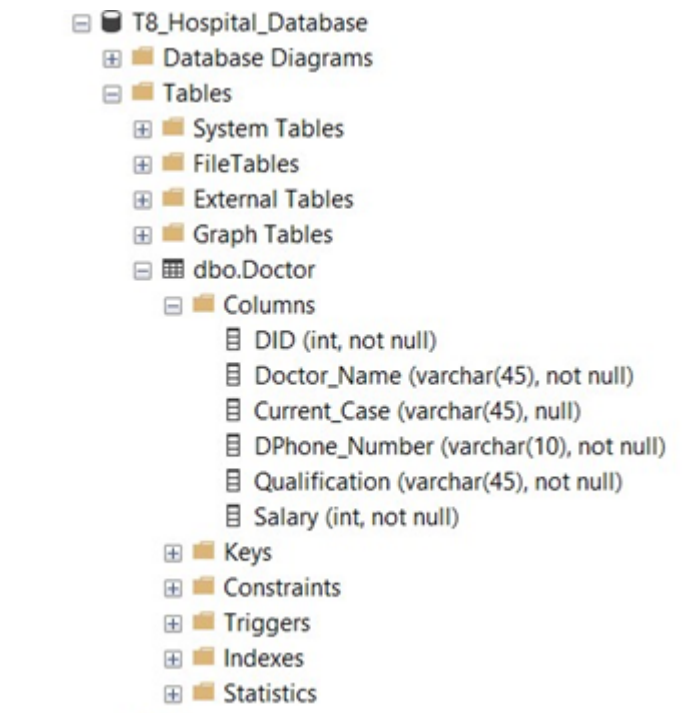
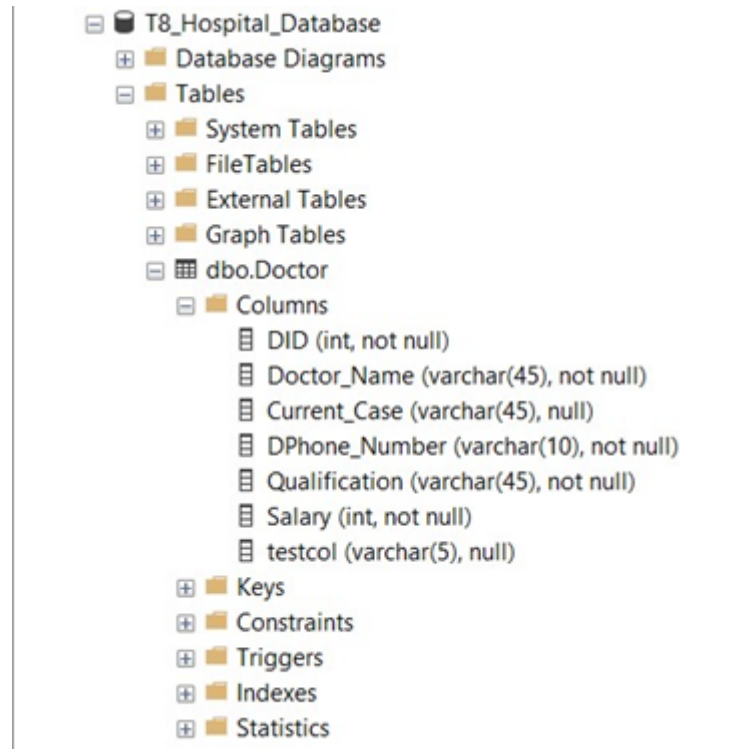
ADD testcol INT;

ALTER TABLE Doctor

ALTER COLUMN testcol VARCHAR(5);

ALTER TABLE Doctor

DROP COLUMN testcol;



```
INSERT INTO Doctor(DID, Doctor_Name, Current_Case, Dphone_Number, Qualification, Salary)
VALUES
```

```
(1,'Abhishek Kumar','Covid','111111111','lawyer',58001),
(2,'rakesh','stomach ache','111111112','lawyer',58002),
(3,'suresh','stomach ache','111111113','lawyer',58003),
(4,'rakesh Kumar','common cold','111111114','businessman',58004),
(5,'suresh Kumar','common cold','111111115','businessman',58005),
(6,'mahesh','fever','111111116','businessman',58006),
(7,'suresh singh','fever','111111117','businessman',58008),
(8,'rakesh singh','fever','111111118','businessman',58009),
(9,'jignesh','Covid','111111119','businessman',58003),
(10,'jignesh Kumar','Covid','111111120','businessman',58040),
(11,'jignesh singh','Covid','111111121','businessman',58200),
(12,'jetha lal Kumar','Covid','111111122','actor',68000),
(13,'jetha lal singh','Covid','111111123','actor',56000),
(14,'atma ram Kumar','Covid','111111124','actor',48000),
(15,'atma ram singh','Covid','111111125','actor',58600),
(16,'Champak lal Kumar','Covid','111111126','actor',38000),
(17,'Champak lal singh','Covid','111111127','actor',28000),
(18,'Ranveer Kumar','Covid','111111128','actor',7000),
(19,'Ranveer singh','Covid','111111129','actor',5800),
(20,'Saiman Kumar','Covid','111111130','actor',78000);
```

Results Messages

	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary	testcol
1	1	Abhishek Kumar	Covid	111111111	lawyer	58001	NULL
2	2	rakesh	stomach ache	111111112	lawyer	58002	NULL
3	3	suresh	stomach ache	111111113	lawyer	58003	NULL
4	4	rakesh Kumar	common cold	111111114	businessman	58004	NULL
5	5	suresh Kumar	common cold	111111115	businessman	58005	NULL
6	6	mahesh	fever	111111116	businessman	58006	NULL
7	7	suresh singh	fever	111111117	businessman	58008	NULL
8	8	rakesh singh	fever	111111118	businessman	58009	NULL
9	9	jignesh	Covid	111111119	businessman	58003	NULL
10	10	jignesh Kumar	Covid	111111120	businessman	58040	NULL
11	11	jignesh singh	Covid	111111121	businessman	58200	NULL
12	12	jetha lal Kumar	Covid	111111122	actor	68000	NULL
13	13	jetha lal singh	Covid	111111123	actor	56000	NULL
14	14	atma ram Kumar	Covid	111111124	actor	48000	NULL
15	15	atma ram singh	Covid	111111125	actor	58600	NULL
16	16	Champak lal Kumar	Covid	111111126	actor	38000	NULL
17	17	Champak lal singh	Covid	111111127	actor	28000	NULL
18	18	Ranveer Kumar	Covid	111111128	actor	7000	NULL
19	19	Ranveer singh	Covid	111111129	actor	5800	NULL
20	20	Saiman Kumar	Covid	111111130	actor	78000	NULL

3.

Violation of UNIQUE KEY constraint 'AK_DPhone_Number'. Cannot insert duplicate key in object 'dbo.Doctor'. The duplicate key value is (1111111111).

Msg 207, Level 16, State 1, Line 2
Invalid column name 'suresh'.

4.

```
Use T8_Hospital_Database
SELECT DID,Current_Case INTO FEE from Doctor;
```

```
Use T8_Hospital_Database
INSERT INTO FEE(DID)
VALUES(30);
```

Msg 547, Level 16, State 0, Line 2
The INSERT statement conflicted with the FOREIGN KEY constraint "FK__FEE__DID__276EDEB3". The conflict occurred in database "T8_Hospital_Database", table "dbo.Doctor", column 'DID'.
The statement has been terminated.

5.

```
Use T8_Hospital_Database
ALTER TABLE FEE
ADD FOREIGN KEY (DID) REFERENCES Doctor(DID)
```

```
Use T8_Hospital_Database
ALTER TABLE Doctor
DROP COLUMN DID
```

Msg 5074, Level 16, State 1, Line 2
The object 'AK_DID' is dependent on column 'DID'.
Msg 5074, Level 16, State 1, Line 2
The object 'FK__FEE__DID__276EDEB3' is dependent on column 'DID'.
Msg 4922, Level 16, State 9, Line 2
ALTER TABLE DROP COLUMN DID failed because one or more objects access this column.

7.

```
Use T8_Hospital_Database
ALTER TABLE FEE
ADD paydate date default getdate();
```

8.

SQLQuery1.sql - L...76U00P\nj11m (66))*

Use T8_Hospital_Database

```
SELECT * FROM Doctor WHERE Qualification = 'lawyer';
```

136 %

Results Messages

	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary	testcol
1	1	Abhishek Kumar	Covid	1111111111	lawyer	58001	NULL
2	2	rakesh	stomach ache	1111111112	lawyer	58002	NULL
3	3	suresh	stomach ache	1111111113	lawyer	58003	NULL

SQLQuery1.sql - L...76U00P\nj11m (66))*

Use T8_Hospital_Database

```
SELECT * FROM Doctor;
```

136 %

Results Messages

	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary	testcol
1	1	Abhishek Kumar	Covid	1111111111	lawyer	58001	NULL
2	2	rakesh	stomach ache	1111111112	lawyer	58002	NULL
3	3	suresh	stomach ache	1111111113	lawyer	58003	NULL
4	4	rakesh Kumar	common cold	1111111114	businessman	58004	NULL
5	5	suresh Kumar	common cold	1111111115	businessman	58005	NULL
6	6	mahesh	fever	1111111116	businessman	58006	NULL
7	7	suresh singh	fever	1111111117	businessman	58008	NULL
8	8	rakesh singh	fever	1111111118	businessman	58009	NULL
9	9	jignesh	Covid	1111111119	businessman	58003	NULL
10	10	jignesh Kumar	Covid	1111111120	businessman	58040	NULL
11	11	jignesh singh	Covid	1111111121	businessman	58200	NULL
12	12	jetha lal Kumar	Covid	1111111122	actor	68000	NULL
13	13	jetha lal singh	Covid	1111111123	actor	56000	NULL
14	14	atma ram Kumar	Covid	1111111124	actor	48000	NULL
15	15	atma ram singh	Covid	1111111125	actor	58600	NULL
16	16	Champak lal Kumar	Covid	1111111126	actor	38000	NULL
17	17	Champak lal singh	Covid	1111111127	actor	28000	NULL
18	18	Ranveer Kumar	Covid	1111111128	actor	7000	NULL
19	19	Ranveer singh	Covid	1111111129	actor	5800	NULL
20	20	Saiman Kumar	Covid	1111111130	actor	78000	NULL