

# DBMS Lab Assignment – 3

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Q1)

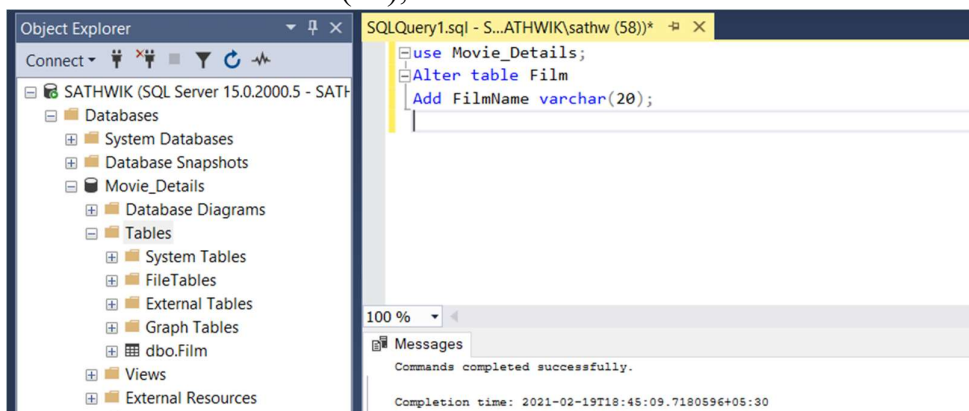
(i) Adding:

SQL Query:

use Movie\_Details;

Alter table Film

Add FilmName varchar(20);



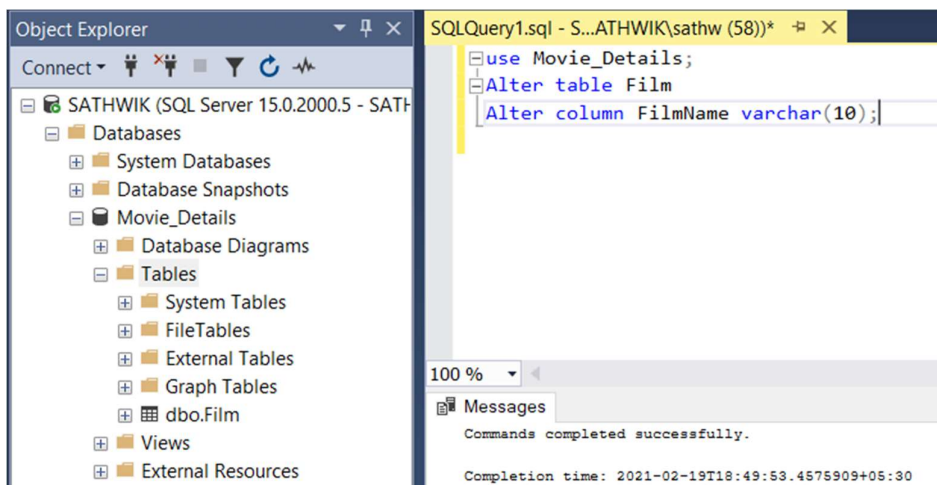
(ii) Modifying:

SQL Query:

use Movie\_Details;

Alter table Film

Alter column FilmName varchar(10);



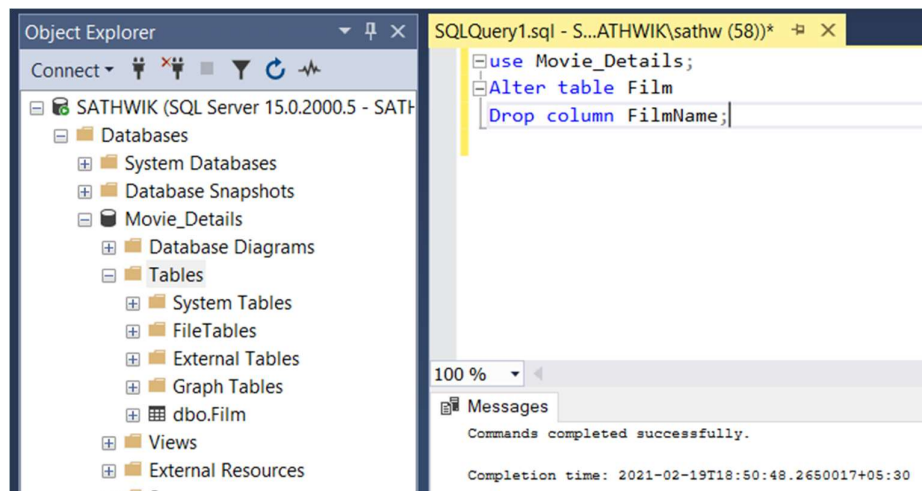
(iii) Deleting:

SQL Query:

use Movie\_Details;

Alter table Film

Drop column FilmName;



Q2)

SQL Query:

insert into Inventory(Inventory\_id, Inventory\_name)

values(2,'Rahul');

insert into Inventory(Inventory\_id, Inventory\_name)

values(3,'Raina');

insert into Inventory(Inventory\_id, Inventory\_name)

values(4,'Natarajan');

insert into Inventory(Inventory\_id, Inventory\_name)

values(5,'Pandey');

insert into Inventory(Inventory\_id, Inventory\_name)

values(6,'Chahal');

insert into Inventory(Inventory\_id, Inventory\_name)

values(7,'Dhoni');

insert into Inventory(Inventory\_id, Inventory\_name)

```
values(8,'Jadeja');
insert into Inventory(Inventory_id, Inventory_name)
values(9,'Harbhajan');
insert into Inventory(Inventory_id, Inventory_name)
values(10,'Sachin');
insert into Inventory(Inventory_id, Inventory_name)
values(11,'Shami');
insert into Inventory(Inventory_id, Inventory_name)
values(12,'Yuvraj');
insert into Inventory(Inventory_id, Inventory_name)
values(13,'Ishant');
insert into Inventory(Inventory_id, Inventory_name)
values(14,'Bhuvneshwar');
insert into Inventory(Inventory_id, Inventory_name)
values(15,'Ashwin');
insert into Inventory(Inventory_id, Inventory_name)
values(16,'Starc');
insert into Inventory(Inventory_id, Inventory_name)
values(17,'DeVilliers');
insert into Inventory(Inventory_id, Inventory_name)
values(18,'Virat');
insert into Inventory(Inventory_id, Inventory_name)
values(19,'Umesh');
insert into Inventory(Inventory_id, Inventory_name)
values(20,'Dhawan');
```

SQLQuery5.sql - S...ATHWIK\sathw (69))\* X SATHWIK.Mc

```
insert into Inventory(inventory_id, inventory_name)
values(2,'Rahul');
insert into Inventory(inventory_id, inventory_name)
values(3,'Raina');
insert into Inventory(inventory_id, inventory_name)
values(4,'Natarajan');
insert into Inventory(inventory_id, inventory_name)
values(5,'Pandey');
insert into Inventory(inventory_id, inventory_name)
values(6,'Chahal');
insert into Inventory(inventory_id, inventory_name)
values(7,'Dhoni');
insert into Inventory(inventory_id, inventory_name)
values(8,'Jadeja');
insert into Inventory(inventory_id, inventory_name)
values(9,'Harbhajan');
insert into Inventory(inventory_id, inventory_name)
values(10,'Sachin');
insert into Inventory(inventory_id, inventory_name)
values(11,'Shami');
insert into Inventory(inventory_id, inventory_name)
values(12,'Yuvraj');
insert into Inventory(inventory_id, inventory_name)
values(13,'Ishant');
insert into Inventory(inventory_id, inventory_name)
values(14,'Bhuvneshwar');
insert into Inventory(inventory_id, inventory_name)
values(15,'Ashwin');
insert into Inventory(inventory_id, inventory_name)
values(16,'Starc');
insert into Inventory(inventory_id, inventory_name)
values(17,'DeVilliers');
insert into Inventory(inventory_id, inventory_name)
values(18,'Virat');
insert into Inventory(inventory_id, inventory_name)
values(19,'Umesh');
insert into Inventory(inventory_id, inventory_name)
values(20,'Dhawan');

select*from Inventory;
```

80 %

Results Messages

	inventory_id	inventory_name
1	1	Sathwik
2	2	Rahul
3	3	Raina
4	4	Natarajan
5	5	Pandey
6	6	Chahal
7	7	Dhoni
8	8	Jadeja
9	9	Harbhajan
10	10	Sachin
11	11	Shami
12	12	Yuvraj
13	13	Ishant
14	14	Bhuvneshwar
15	15	Ashwin
16	16	Starc
17	17	DeVilliers
18	18	Virat
19	19	Umesh
20	20	Dhawan

Q3)

## Primary Key Violation:

```
SQLQuery5.sql - S...ATHWIK\sathw (69))* SATHWIK.Movie_Details - dbo.Inventory
insert into Inventory(inventory_id, inventory_name)
values(1, 'Sathwik');
```

100 %

Messages

Msg 2627, Level 14, State 1, Line 1  
Violation of PRIMARY KEY constraint 'PK\_Inventory'. Cannot insert duplicate key in object 'dbo.Inventory'. The duplicate key value is (1).  
The statement has been terminated.

Completion time: 2021-02-20T15:51:30.2996563+05:30

## Not Null Violation:

```
SQLQuery5.sql - S...ATHWIK\sathw (69))* SATHWIK.Movie_Details - dbo.Inventory
insert into Inventory(inventory_id, inventory_name)
values(NULL, 'Sathwik');
```

100 %

Messages

Msg 515, Level 16, State 2, Line 1  
Cannot insert the value NULL into column 'inventory\_id', table 'Movie\_Details.dbo.Inventory'; column does not allow nulls. INSERT fails.  
The statement has been terminated.

Completion time: 2021-02-20T15:54:04.5355480+05:30

## Default Error:

```
SQLQuery9.sql - S...ATHWIK\sathw (57))* SQLQuery7.sql - S...ATHWIK\sathw (52))*
use Movie_Details;
alter table Inventory
add constraint df_inventory_id
default '10' for inventory_id
insert into Inventory(inventory_id, inventory_name)
values(21, 'Sathwik');
```

100 %

Messages

Msg 1781, Level 16, State 1, Line 2  
Column already has a DEFAULT bound to it.  
Msg 1750, Level 16, State 0, Line 2  
Could not create constraint or index. See previous errors.

Completion time: 2021-02-20T16:31:28.7867334+05:30

Q4)

```
SQLQuery2....SRI (52))* ×
use Movie_Details;
insert into Film_actor
values(1,null,12);
```

165 %

Messages

Msg 547, Level 16, State 0, Line 2  
The INSERT statement conflicted with the FOREIGN KEY constraint "FK\_Film\_acto\_Film\_\_267ABA7A". The conflict occurred in  
The statement has been terminated.

Completion time: 2021-02-19T16:27:13.7226343+05:30

Q5)

```
SQLQuery2....SRI (52))* ×
use Movie_Details;
delete from Film_actor WHERE
Film_id=12
```

100 %

Messages

Msg 547, Level 16, State 0, Line 117  
The DELETE statement conflicted with the REFERENCE constraint "FK\_T3\_BookingDetails\_T3\_CustomerDetails". The conflict occurred in database "T3\_Travel", table "dbo.T3\_BookingDetails"  
The statement has been terminated.

Completion time: 2021-02-18T20:20:12.8436276+05:30

The deletion is giving an error as it violates referential integrity constraint. First, we need to delete the corresponding tuple from the dependent table and then the base table.

Q6)

```
SQLQuery2....SRI (52))* ×
use Movie_Details;
update film_actor
set actor_name ='Koneru'
where Film_id=12
```

100 %

Messages

(0 rows affected)

Completion time: 2021-02-18T20:27:21.7988264+05:30

Q7)

```
SQLQuery2....SRI (52))* ×
use Movie_Details;
ALTER TABLE Film
ADD Title {varchar(45)}
CONSTRAINT {actor} DEFAULT "reha"
WITH VALUES
```