

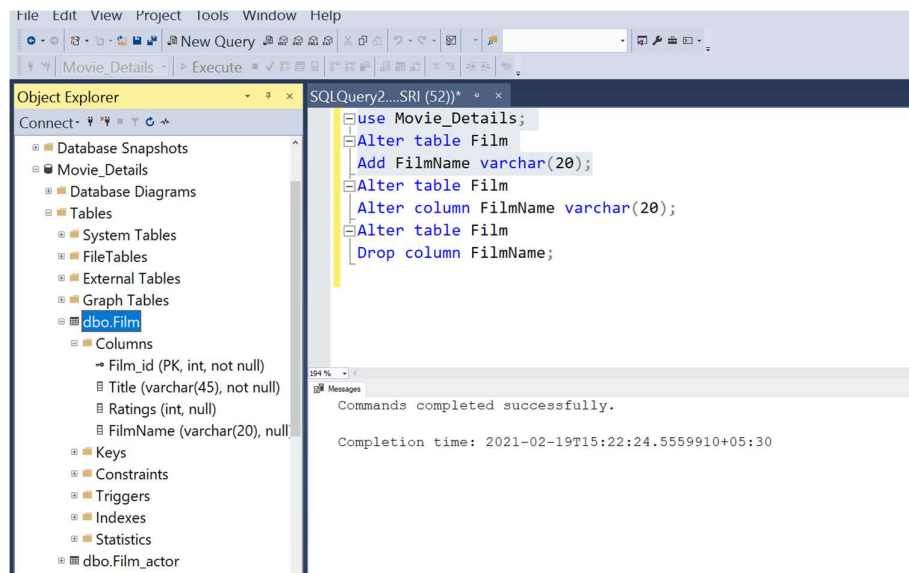
DBMS LAB ASSIGNMENT-3

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1.

ADD:

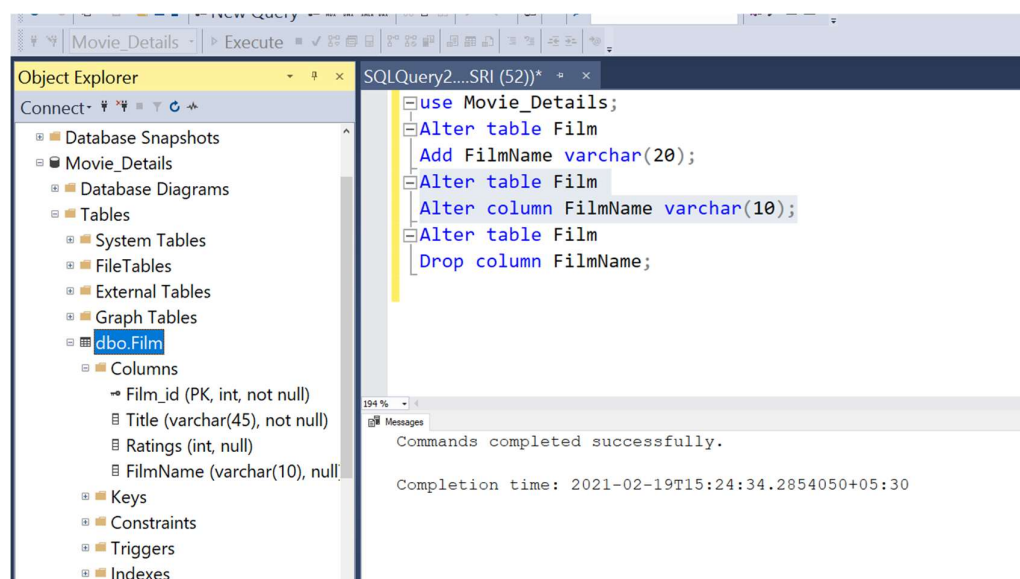


The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the database structure, including the 'Movie_Details' database and the 'dbo.Film' table. The 'Columns' section for 'dbo.Film' is expanded, showing 'Film_id (PK, int, not null)', 'Title (varchar(45), not null)', 'Ratings (int, null)', and 'FilmName (varchar(20), null)'. The main window displays the following SQL script:

```
use Movie_Details;
Alter table Film
Add FilmName varchar(20);
Alter table Film
Alter column FilmName varchar(20);
Alter table Film
Drop column FilmName;
```

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

MODIFY:



The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the database structure, including the 'Movie_Details' database and the 'dbo.Film' table. The 'Columns' section for 'dbo.Film' is expanded, showing 'Film_id (PK, int, not null)', 'Title (varchar(45), not null)', 'Ratings (int, null)', and 'FilmName (varchar(10), null)'. The main window displays the following SQL script:

```
use Movie_Details;
Alter table Film
Add FilmName varchar(20);
Alter table Film
Alter column FilmName varchar(10);
Alter table Film
Drop column FilmName;
```

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

DELETE:

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the hierarchy: Connect > Movie_Details > Tables > dbo.Film. The right pane shows the SQL query window with the following commands:

```
use Movie_Details;  
Alter table Film  
Add FilmName varchar(20);  
Alter table Film  
Alter column FilmName varchar(10);  
Alter table Film  
Drop column FilmName;
```

Below the query window, the Messages pane shows the following output:

```
Commands completed successfully.  
Completion time: 2021-02-19T15:25:41.3655538+05:30
```

2.)

```
SQLQuery2....SRI (52))*
insert into Inventory(Inventory_id,Inventory_name)
values(2,'Rocky');
insert into Inventory(Inventory_id,Inventory_name)
values(3,'Rosie');
insert into Inventory(Inventory_id,Inventory_name)
values(4,'Riyan');
insert into Inventory(Inventory_id,Inventory_name)
values(5,'Aryan');
insert into Inventory(Inventory_id,Inventory_name)
values(6,'Manvi');
insert into Inventory(Inventory_id,Inventory_name)
values(7,'Steve');
insert into Inventory(Inventory_id,Inventory_name)
values(8,'Elena');
insert into Inventory(Inventory_id,Inventory_name)
values(9,'Demon');
insert into Inventory(Inventory_id,Inventory_name)
values(10,'Vidhi');
insert into Inventory(Inventory_id,Inventory_name)
values(11,'Vansh');
insert into Inventory(Inventory_id,Inventory_name)
values(12,'Bhavya');
insert into Inventory(Inventory_id,Inventory_name)
values(13,'Ridhima');
insert into Inventory(Inventory_id,Inventory_name)
values(14,'Ponky');
insert into Inventory(Inventory_id,Inventory_name)
values(15,'Munny');
insert into Inventory(Inventory_id,Inventory_name)
values(16,'Koneru');
insert into Inventory(Inventory_id,Inventory_name)
values(17,'Apoorva');
insert into Inventory(Inventory_id,Inventory_name)
values(18,'Lipsika');
insert into Inventory(Inventory_id,Inventory_name)
values(19,'Vanshika');
insert into Inventory(Inventory_id,Inventory_name)
values(20,'Kidnesh');

select * from Inventory;
```

85 %



Results



Messages

	Inventory_id	Inventory_name
1	1	Reha
2	2	Rocky
3	3	Rosie
4	4	Riyan
5	5	Aryan
6	6	Manvi
7	7	Steve
8	8	Elena
9	9	Demon
10	10	Vidhi
11	11	Vansh
12	12	Bhavya
13	13	Ridhima
14	14	Ponky
15	15	Munny
16	16	Koneru
17	17	Apoorva
18	18	Lipsika
19	19	Vanshika
20	20	Kidnesh

3.

PRIMARY KEY

```
insert into Inventory(Inventory_id,Inventory_name)
values(1,'Reha');
```

5 %

Results Messages

Msg 2627, Level 14, State 1, Line 8
Violation of PRIMARY KEY constraint 'PK_Inventor_2B66F8034692F585'. Cannot insert duplicate key in object 'dbo.Inventory'. The duplicate key value is (4
The statement has been terminated.
Msg 2627, Level 14, State 1, Line 10

NOT NULL:

```
SQLQuery2....SRI (52))* x
insert into Inventory(Inventory_id,Inventory_name)
values(20,'Kidnesh');

select * from Inventory;

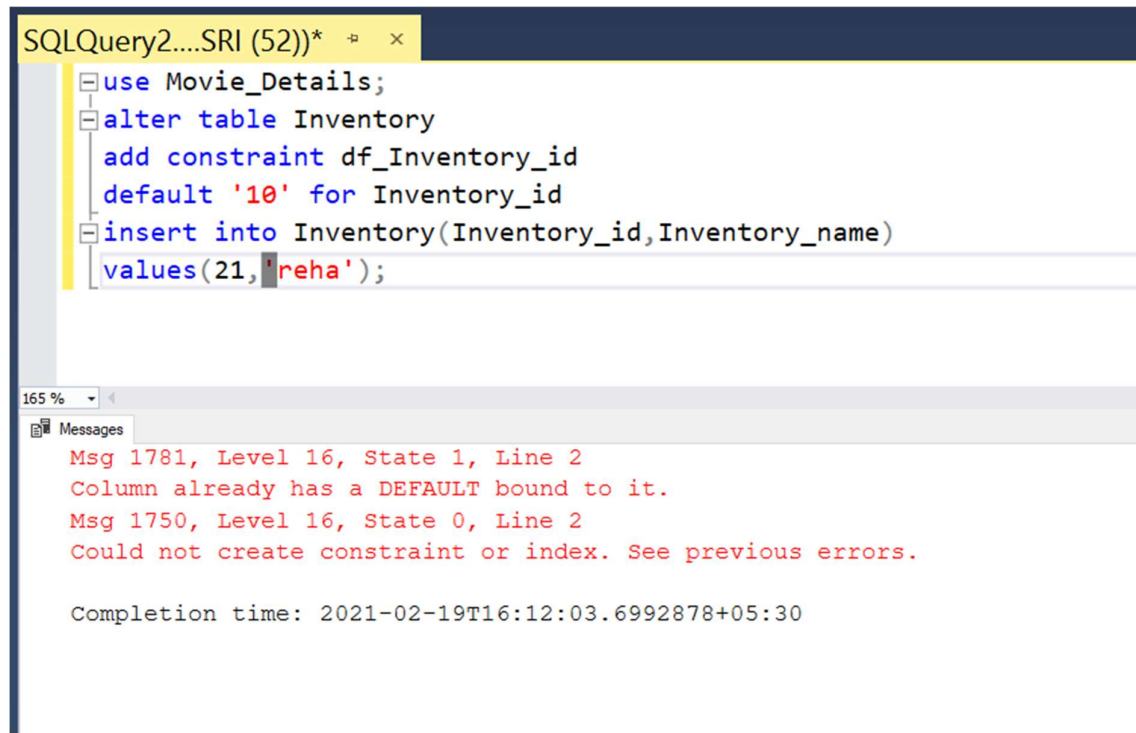
insert into Inventory(Inventory_id,Inventory_name)
values( NULL,'Reha');
```

165 %

Results Messages

(20 rows affected)
Msg 515, Level 16, State 2, Line 45
Cannot insert the value NULL into column 'Inventory_id', table 'Movie_Details.dbo.In
The statement has been terminated.
Completion time: 2021-02-19T15:56:54.9964357+05:30

DEFAULT ERROR



The screenshot shows a SQL query window titled "SQLQuery2....SRI (52))" with the following code:

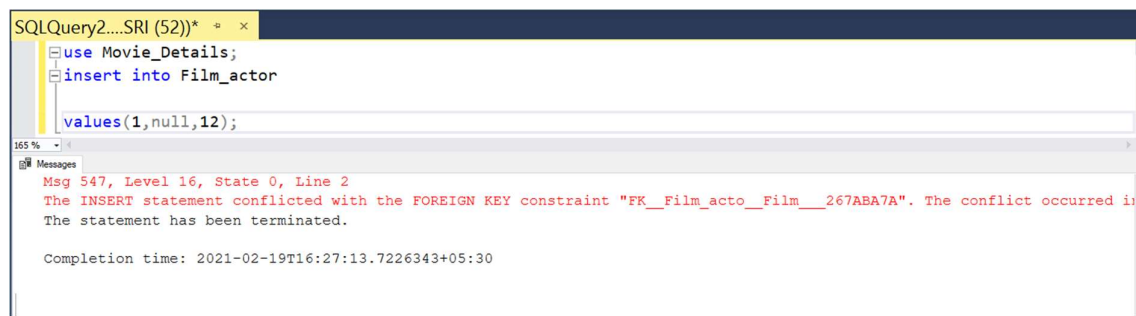
```
use Movie_Details;  
alter table Inventory  
add constraint df_Inventory_id  
default '10' for Inventory_id  
insert into Inventory(Inventory_id,Inventory_name)  
values(21,'reha');
```

Below the code, the Messages pane shows the following error 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.
```

The completion time is: 2021-02-19T16:12:03.6992878+05:30

4. Insert tuples into the table and see how foreign key constraint works if you try to insert into dependent table first.



The screenshot shows a SQL query window titled "SQLQuery2....SRI (52))" with the following code:

```
use Movie_Details;  
insert into Film_actor  
values(1,null,12);
```

Below the code, the Messages pane shows the following error message:

```
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.
```

The completion time is: 2021-02-19T16:27:13.7226343+05:30

5.

```
SQLQuery2....SRI (52))* x
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: 2021-02-18T20:23:12.8435276+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.

6. Try to update a non-existing entity data and check for error

```
SQLQuery2....SRI (52))* x
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

7. Add a column which has default value.

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