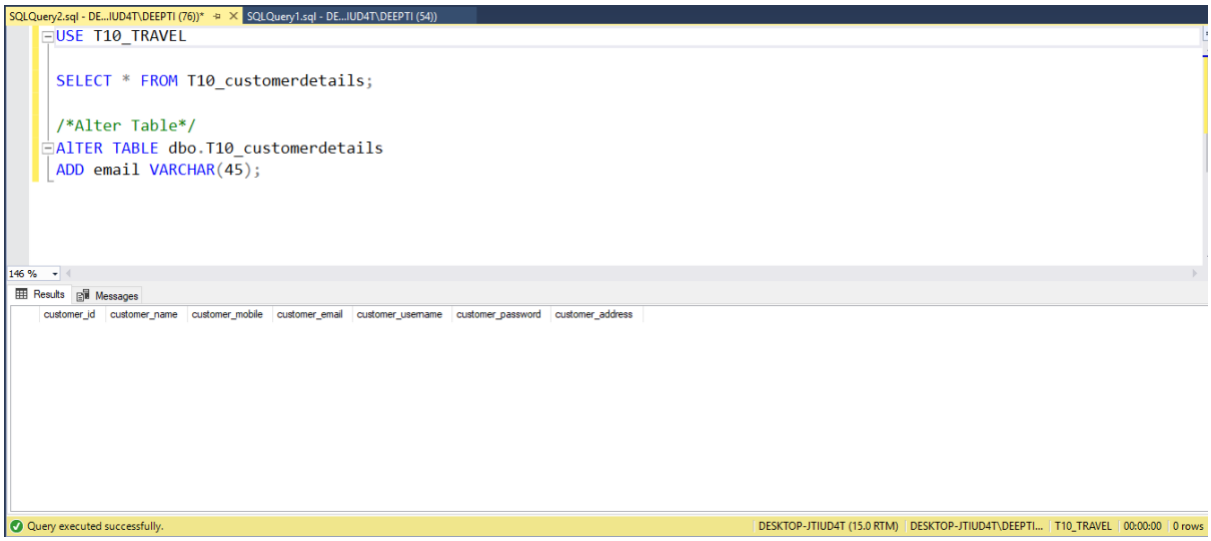
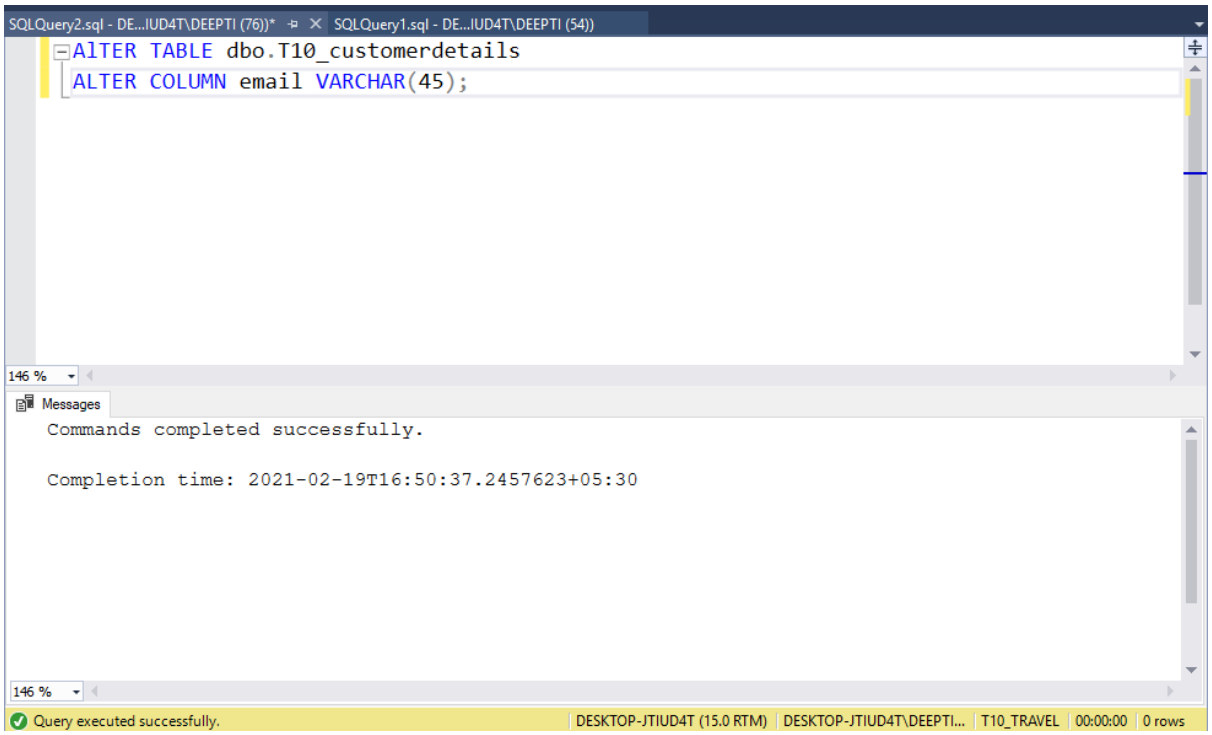
DBMS LAB ASSIGNMENT 3

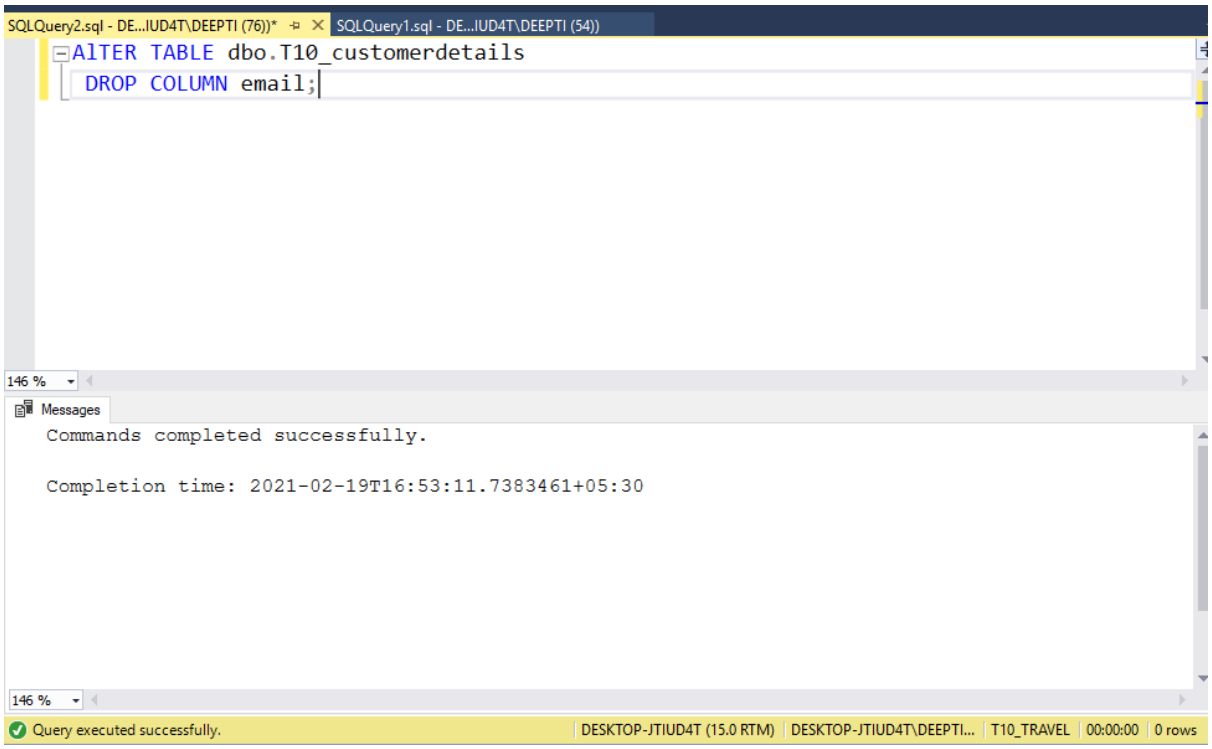
NAME:DEEPTI.P.R

ROLL NO:19BCS037

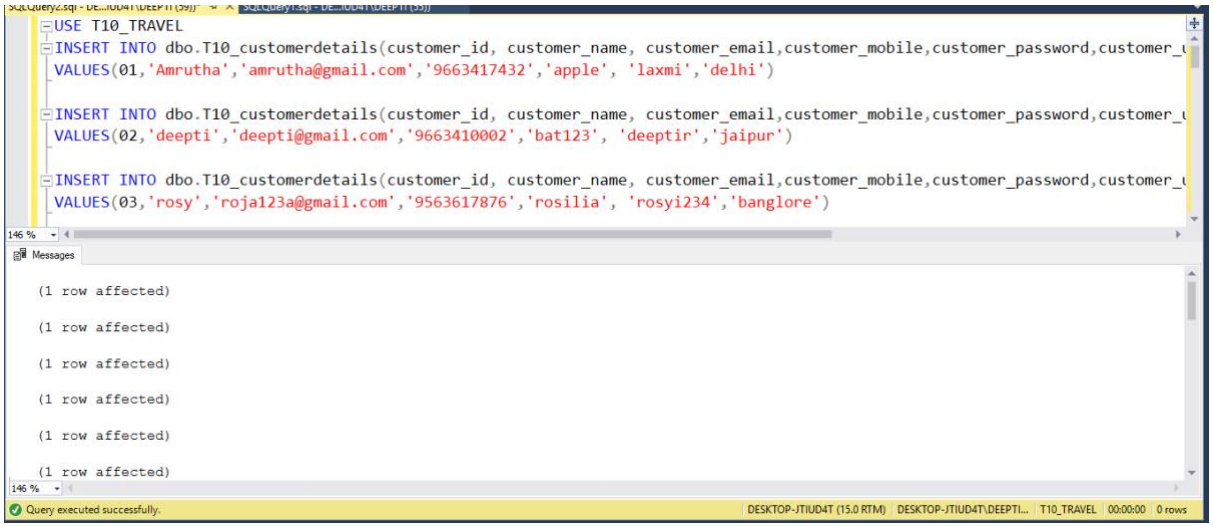
1. Add, Modify and Delete Column using Alter Command;







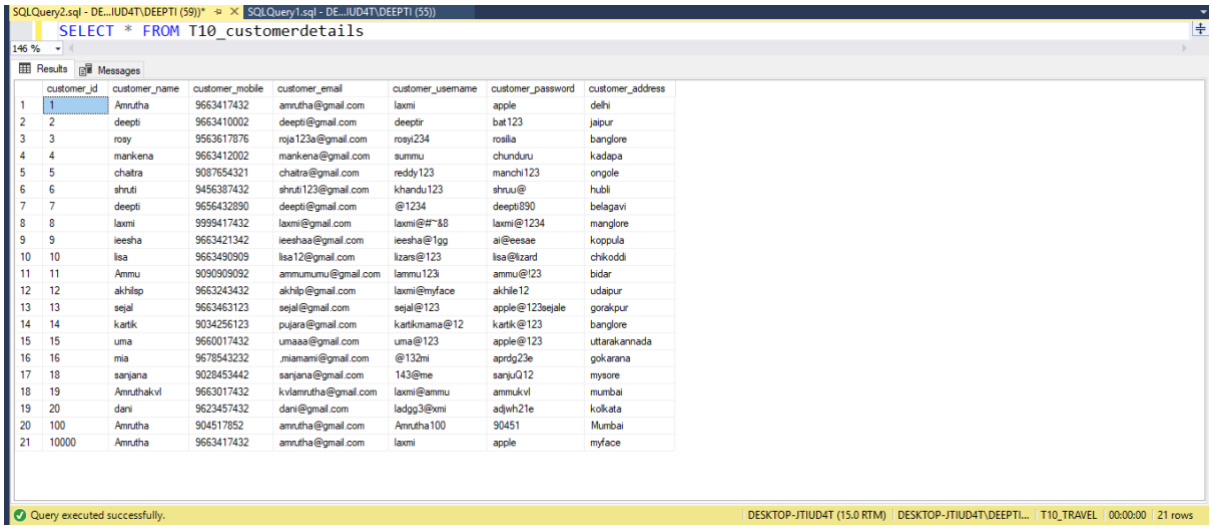
2. Insert 20 Employees Data into all the tables.



```
USE T10_TRAVEL
INSERT INTO dbo.T10_customerdetails(customer_id, customer_name, customer_email,customer_mobile,customer_password,customer_
VALUES(01,'Amrutha','amrutha@gmail.com','9663417432','apple', 'laxmi','delhi')

INSERT INTO dbo.T10_customerdetails(customer_id, customer_name, customer_email,customer_mobile,customer_password,customer_
VALUES(02,'deepti','deepti@gmail.com','9663410002','bat123', 'deeptir','jaipur')

INSERT INTO dbo.T10_customerdetails(customer_id, customer_name, customer_email,customer_mobile,customer_password,customer_
VALUES(03,'rosy','roja123a@gmail.com','9563617876','rosilia', 'rosyi234','banglore')
```

```
Messages

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)
```

Query executed successfully. | DESKTOP-JTIUD4T (15.0 RTM) | DESKTOP-JTIUD4T\DEEPTI... | T10_TRAVEL | 00:00:00 | 0 rows



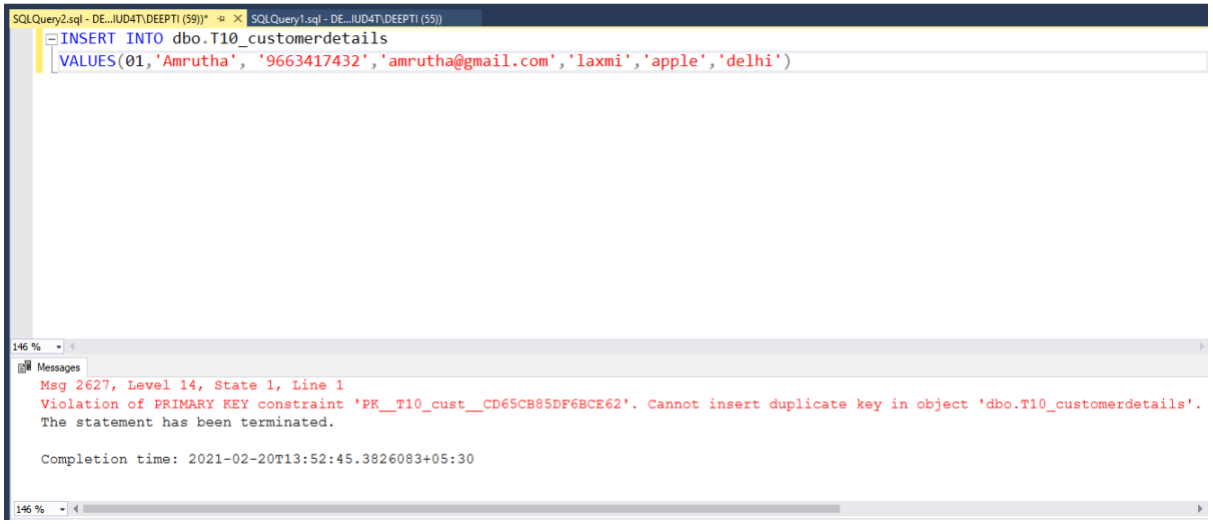
```
SELECT * FROM T10_customerdetails
```

Results | Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address
1	1	Amrutha	9663417432	amrutha@gmail.com	laxmi	apple	delhi
2	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur
3	3	rosy	9563617876	roja123a@gmail.com	rosyi234	rosilia	banglore
4	4	mankena	9663412002	mankena@gmail.com	summu	chunduru	kadapa
5	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruu@	hubli
7	7	deepti	9656432890	deepti@gmail.com	@1234	deepti890	belagavi
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#~&8	laxmi@1234	manglore
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula
10	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikoddi
11	11	Ammu	9090909092	ammumumu@gmail.com	lammu123i	ammu@!23	bidar
12	12	akhilsp	9663243432	akhilp@gmail.com	laxmi@myface	akhile12	udaipur
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur
14	14	kartik	9034256123	pujara@gmail.com	kartikmama@12	kartik@123	banglore
15	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada
16	16	mia	9678543232	,miamami@gmail.com	@132mi	aprdg23e	gokarana
17	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	mysore
18	19	Amruthakvl	9663017432	kvlamrutha@gmail.com	laxmi@ammu	ammukvl	mumbai
19	20	dani	9623457432	dani@gmail.com	ladgg3@xmi	adjwh21e	kolkata
20	100	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai
21	10000	Amrutha	9663417432	amrutha@gmail.com	laxmi	apple	myface

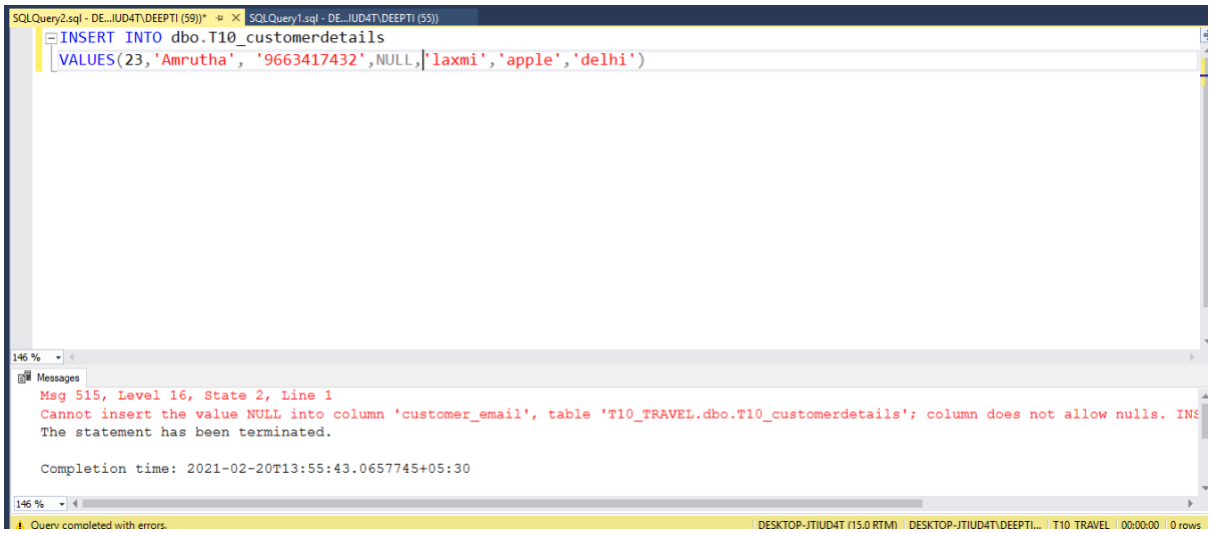
Query executed successfully. | DESKTOP-JTIUD4T (15.0 RTM) | DESKTOP-JTIUD4T\DEEPTI... | T10_TRAVEL | 00:00:00 | 21 rows

3. Show Violation of Primary Key, Unique Not Null and default key constraints through insertion

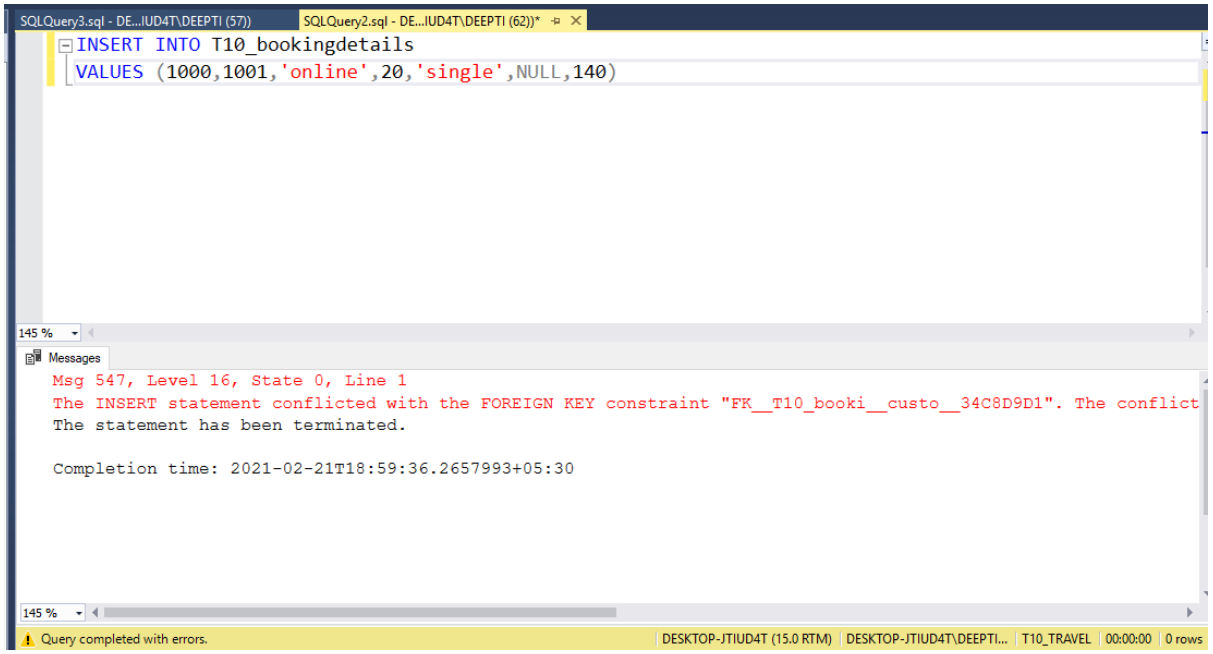


```
INSERT INTO dbo.T10_customerdetails
VALUES(01,'Amrutha', '9663417432','amrutha@gmail.com','laxmi','apple','delhi')
```

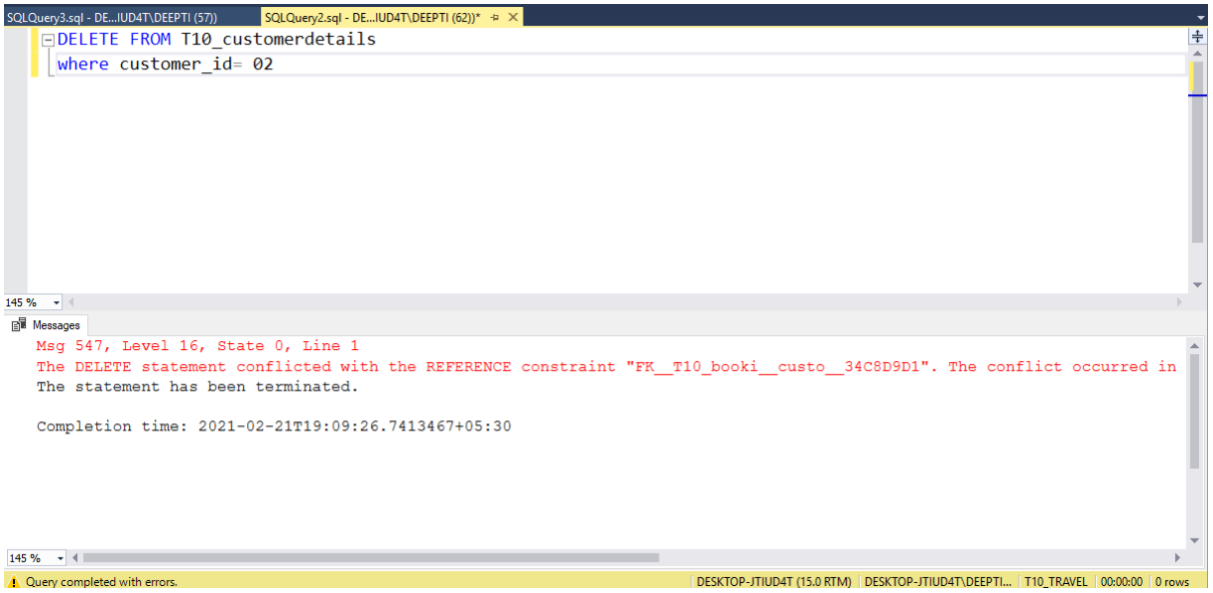
```
Messages
Msg 2627, Level 14, State 1, Line 1
Violation of PRIMARY KEY constraint 'PK__T10_cust__CD65CB85DF6BCE62'. Cannot insert duplicate key in object 'dbo.T10_customerdetails'.
The statement has been terminated.

Completion time: 2021-02-20T13:52:45.3826083+05:30
```



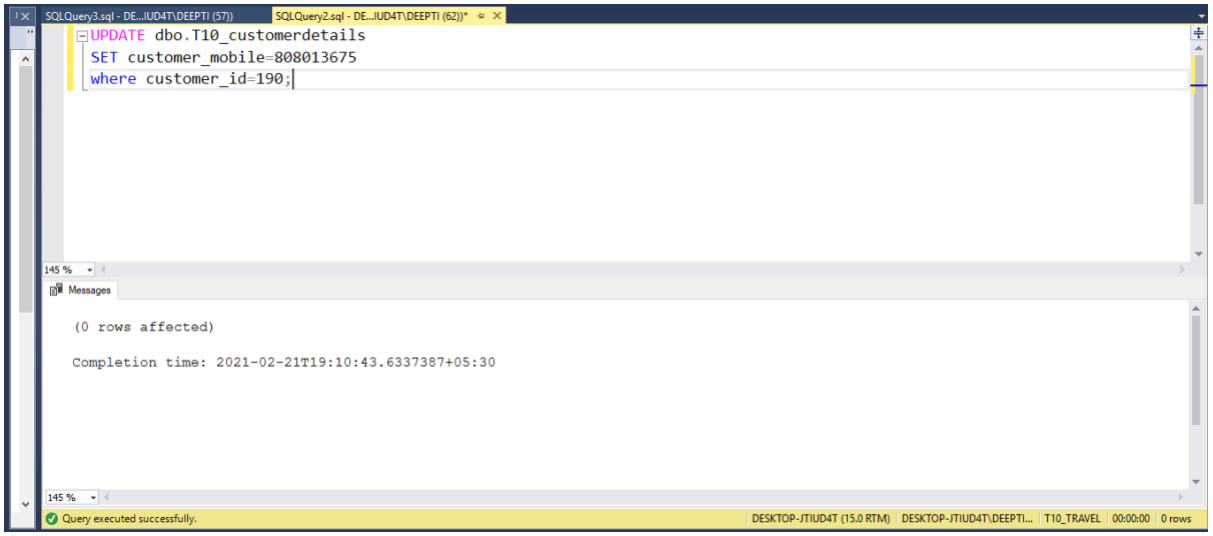
4. Insert tuples into the table and see how foreign key constraint works if you try to insert into dependent table first.



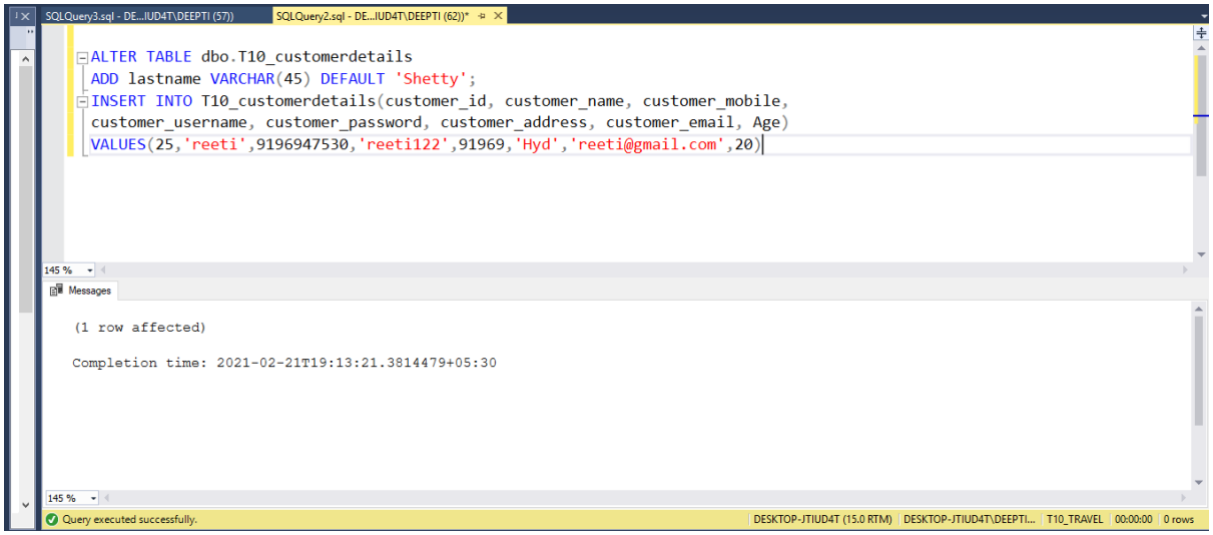
5. Show Violation of Foreign Key Constraint when you try to delete from a base table. If you get an error explain why deletion gives an error

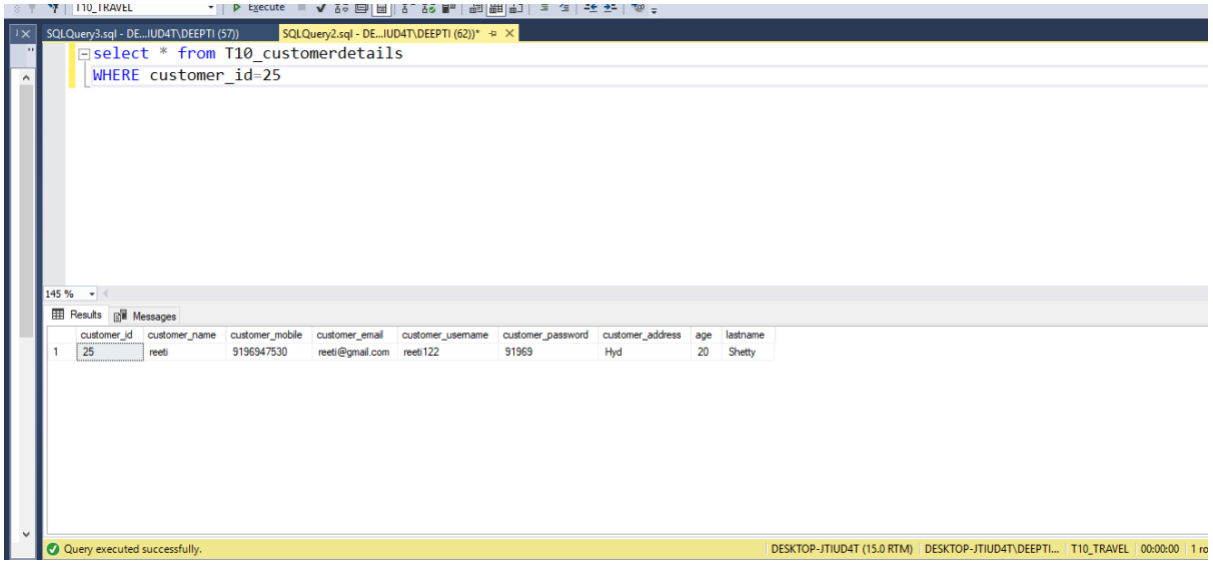


6. Try to update a non-existing entity data and check for error.

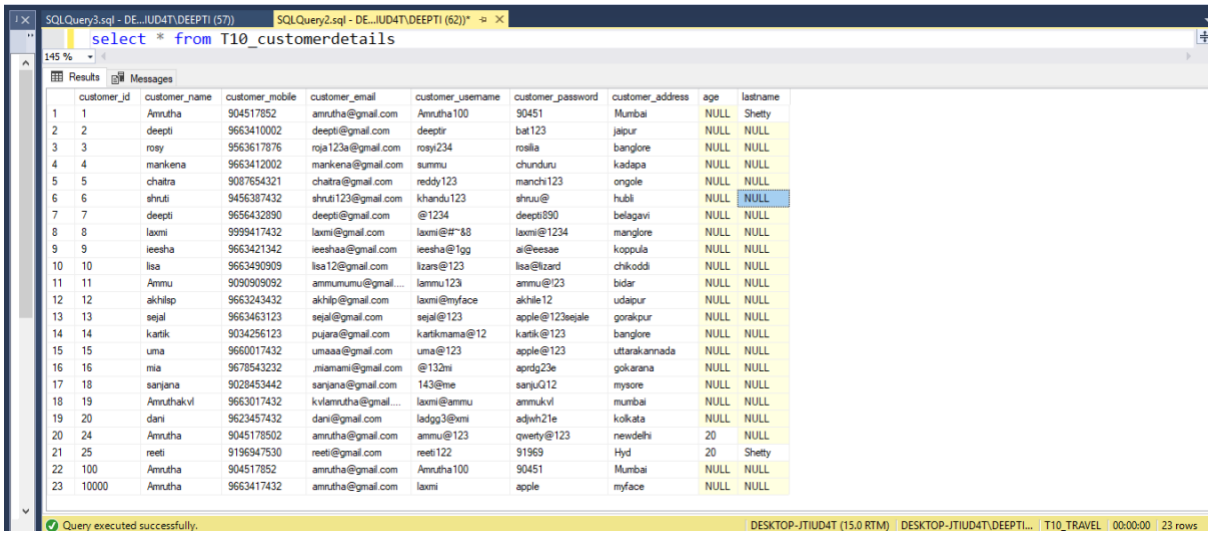


7. Add a column which has default value.





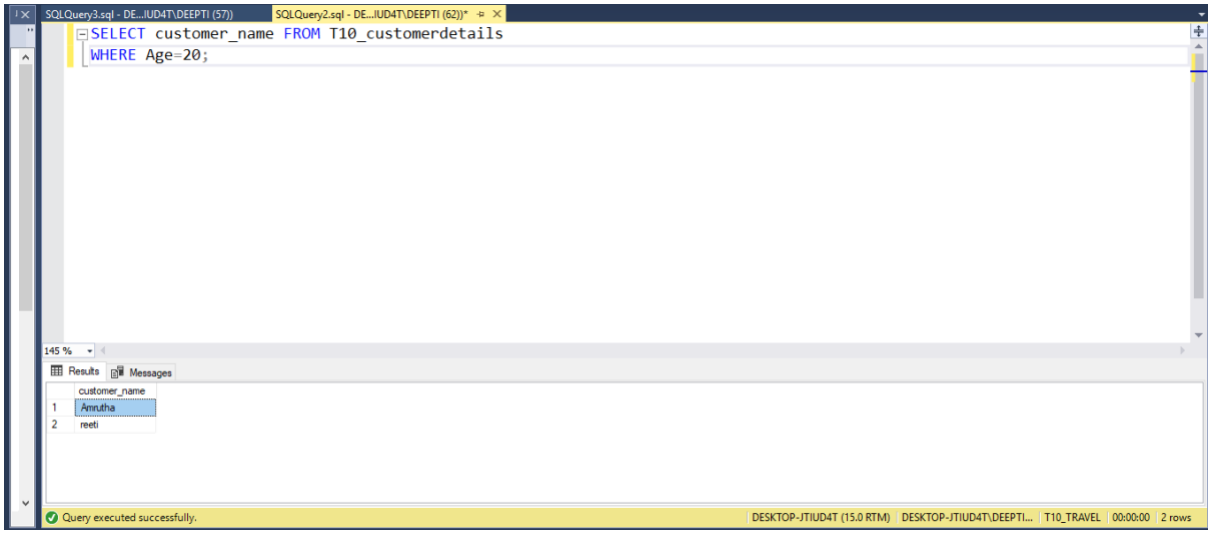
8. Simple Select queries to retrieve data from your database.



```
select * from T10_customerdetails
```

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
2	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur	NULL	NULL
3	3	rosy	9563617876	roja123a@gmail.com	rosyi234	rosilia	banglore	NULL	NULL
4	4	mankena	9663412002	mankena@gmail.com	summu	chunduru	kadapa	NULL	NULL
5	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruu@	hubli	NULL	NULL
7	7	deepti	9656432890	deepti@gmail.com	@1234	deepti890	belagavi	NULL	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#^&8	laxmi@1234	manglore	NULL	NULL
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikoddi	NULL	NULL
11	11	Ammu	9090909092	ammumumu@gmail....	lammu123\	ammu@!23	bidar	NULL	NULL
12	12	akhilsp	9663243432	akhilp@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL
14	14	kartik	9034256123	pujara@gmail.com	kartikmama@12	kartik@123	banglore	NULL	NULL
15	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL
16	16	mia	9678543232	,miamami@gmail.com	@132mi	aprdg23e	gokarana	NULL	NULL
17	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	mysore	NULL	NULL
18	19	Amruthakvl	9663017432	kvlamrutha@gmail....	laxmi@ammu	ammukvl	mumbai	NULL	NULL
19	20	dani	9623457432	dani@gmail.com	ladgg3@xmi	adjwh21e	kolkata	NULL	NULL
20	24	Amrutha	9045178502	amrutha@gmail.com	ammu@123	qwerty@123	newdelhi	20	NULL
21	25	reeti	9196947530	reeti@gmail.com	reeti122	91969	Hyd	20	Shetty
22	100	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	NULL
23	10000	Amrutha	9663417432	amrutha@gmail.com	laxmi	apple	myface	NULL	NULL

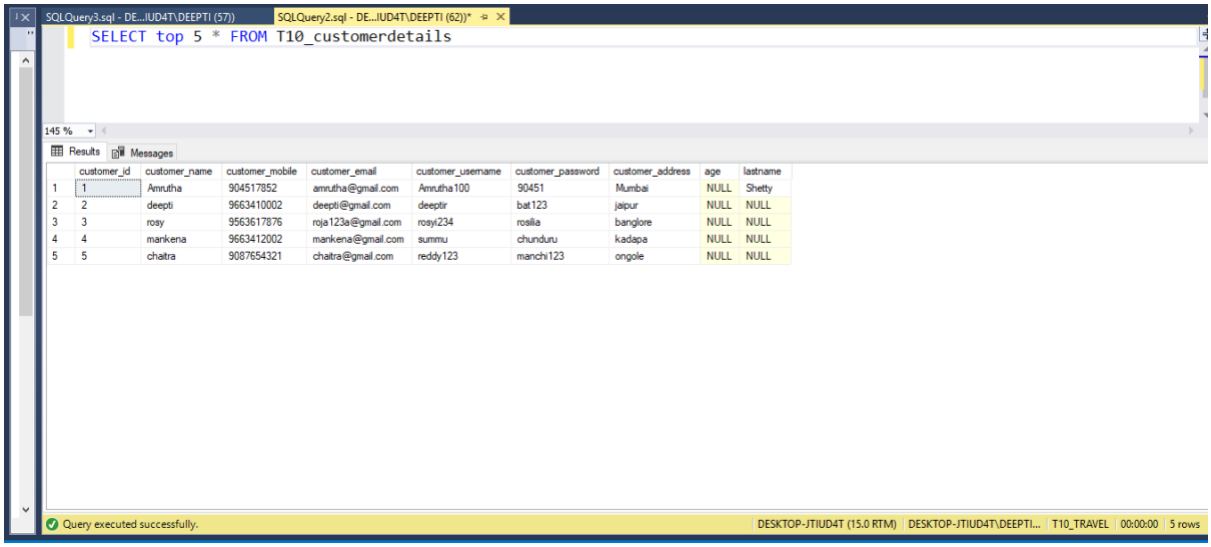
Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUD4T\DEEPTI... T10_TRAVEL 00:00:00 23 rows



```
SELECT customer_name FROM T10_customerdetails
WHERE Age=20;
```

	customer_name
1	Amrutha
2	reeti

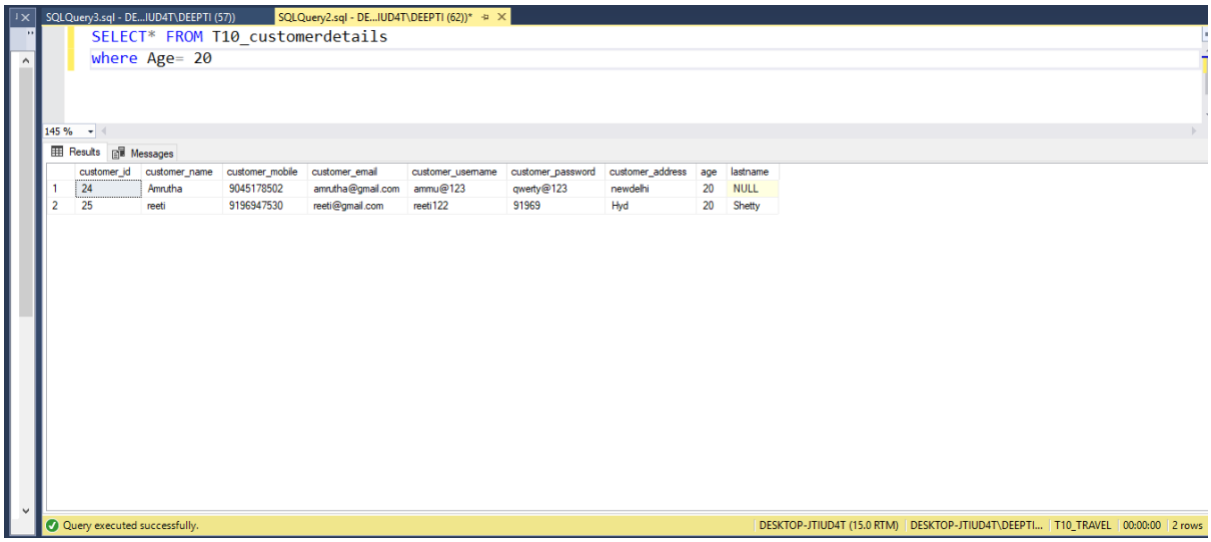
Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUD4T\DEEPTI... T10_TRAVEL 00:00:00 2 rows

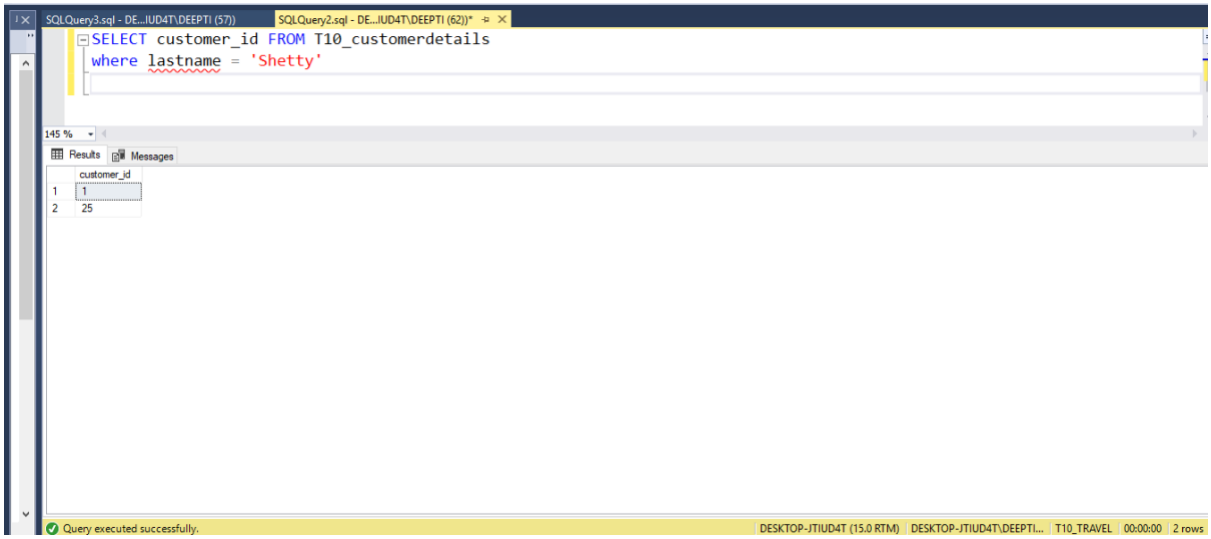


```
SELECT top 5 * FROM T10_customerdetails
```

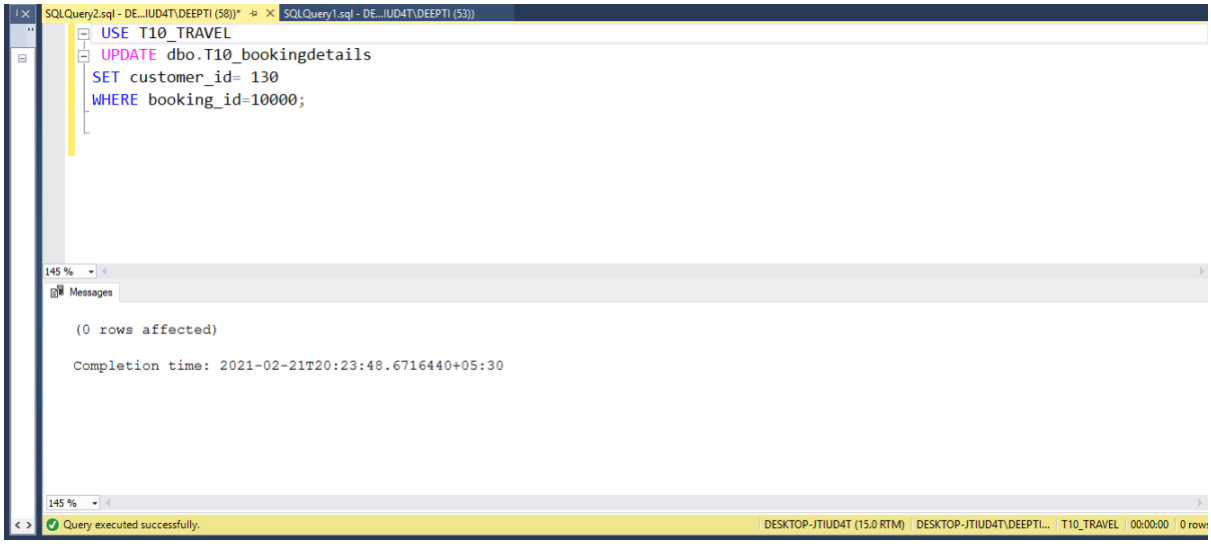
	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
2	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur	NULL	NULL
3	3	rosy	9563617876	roja123a@gmail.com	rosyi234	rosilia	banglore	NULL	NULL
4	4	mankena	9663412002	mankena@gmail.com	summu	chunduru	kadapa	NULL	NULL
5	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL

Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUD4T\DEEPTI... T10_TRAVEL 00:00:00 5 rows





9. Show how Foreign key constraint effects Updating a dependent table when value is not existing and in Base table where the value is referred and you want to update it.


SQLQuery2.sql - DE...IUD4T\DEEPTI (58))*
SQLQuery1.sql - DE...IUD4T\DEEPTI (53))
USE T10_TRAVEL
UPDATE dbo.T10_bookingdetails
SET customer_id= 130
WHERE booking_id=10000;
145 %
Messages
(0 rows affected)
Completion time: 2021-02-21T20:23:48.6716440+05:30
145 %
Query executed successfully.
DESKTOP-JTIUD4T (15.0 RTM)
DESKTOP-JTIUD4T\DEEPTI...
T10_TRAVEL
00:00:00
0 rows