DBMS Lab Assignment-3

Name: - M.Sai Chaitra

Roll No.:-19BCS065.

Database:- Travel Agency

1. Add, Modify and Delete Column using Alter Command

Query:-

```
USE T10_Travel;

SELECT *FROM T10_customerdetailsNEW;

ALTER TABLE T10_customerdetailsNEW

ADD customer_gender VARCHAR(20) NOT NULL;

ALTER TABLE T10_customerdetailsNEW

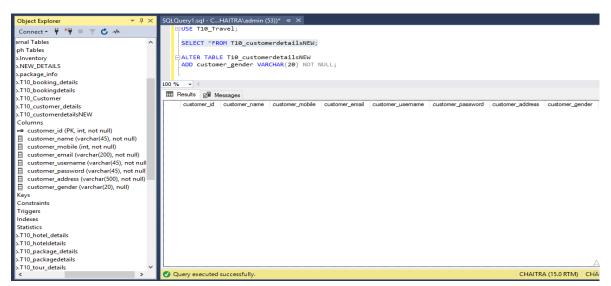
ALTER COLUMN customer_gender VARCHAR(80) NOT NULL;

ALTER TABLE T10_customerdetailsNEW

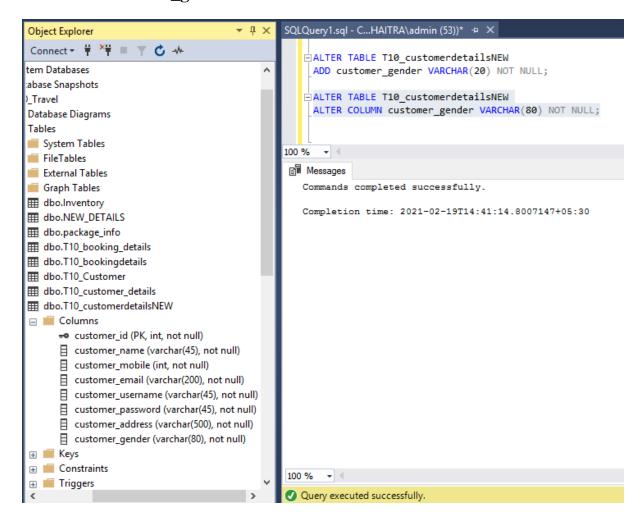
DROP COLUMN customer gender;
```

Output:-

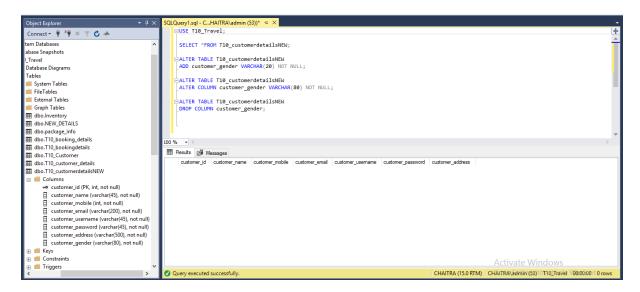
Added customer_gender column



Modified customer_gender column



Deleted customer_gender column



2. Insert 20 Employees Data into all the tables. Use all the 3 methods.

Query:-

```
/*1.insert into using select 2.insert into all values directly 3.insert into parameters*/
USE T10 Travel
INSERT INTO T10_customerdetailsNEW
VALUES('001','CHAITRA','82096','chaitra@gmail.com','msaichaitra','little','kadapa');
USE T10 TRAVEL
SELECT *FROM T10_customerdetailsNEW
INSERT INTO
T10 customer detailsNEW(customer id,customer name,customer mobile,customer email.cu
stomer_username,customer_password,customer_address)
customer_id,customer_name,customer_mobile,customer_email,customer_username,customer
_password,customer_address FROM T10_TRAVEL.dbo.T10_customerdetailsNEW WHERE
customer id=001);
INSERT INTO T10_customerdetailsNEW
VALUES ('002', 'CHAITRA', '80825', 'chaitra', 'chaitrareddy', 'msaichaitra', 'kadapa');
INSERT INTO T10_customerdetailsNEW
VALUES('003', 'MANASA', '9127', 'manasa', 'hello', 'hopefulife', 'kovur');
INSERT INTO T10_customerdetailsNEW
VALUES('004', 'RITHIKA', '989787', 'rithika', 'myself', 'creativeme', 'maduria');
INSERT INTO T10 customerdetailsNEW
VALUES('005', 'ROJA', '85674', 'roja', 'newstart', 'newroja', 'ongole');
INSERT INTO T10_customerdetailsNEW
VALUES('006', 'DEEPTI', '8083', 'deepti', 'life', 'rightdeepti', 'belgum');
INSERT INTO T10 customerdetailsNEW
VALUES('007','AMRUTHA','8082','amrutha','takerest','meamrutha','vizag');
INSERT INTO T10_customerdetailsNEW
(customer id, customer name, customer mobile, customer email, customer username, custome
r password, customer address)
VALUES('018', 'SIRI', '86674', 'rushi', 'newstar', 'newsiri', 'ongol');
INSERT INTO T10_customerdetailsNEW
(customer_id,customer_name,customer_mobile,customer_email,customer_username,custome
r password, customer address)
VALUES('019', 'SEEMA', '87774', 'sushma', 'freshlife', 'newseema', 'palem');
INSERT INTO T10_customerdetailsNEW
(customer id, customer name, customer mobile, customer email, customer username, custome
r password.customer address)
VALUES('020', 'VAISHNAVI', '89874', 'aisha', 'freshstart', 'newvaish', 'banglore');
INSERT INTO T10 customerdetailsNEW
(customer_id,customer_name,customer_mobile,customer_email,customer_username,custome
r password, customer address)
VALUES('008', 'PRAGYA', '85654', 'hemma', 'nayikahani', 'newpragya', 'manglore');
```

```
INSERT INTO T10_customerdetailsNEW
```

 $(customer_id, customer_name, customer_mobile, customer_email, customer_username, customer_password, customer_address)$

VALUES('009', 'PRACHI', '8523', 'yashh', 'examalert', 'prachi', 'goa');

INSERT INTO T10_customerdetailsNEW

(customer_id,customer_name,customer_mobile,customer_email,customer_username,customer r password,customer address)

VALUES('010', 'SRISTI', '83444', 'nika', 'newstat', 'iknow', 'hubli');

INSERT INTO T10_customerdetailsNEW

(customer_id,customer_name,customer_mobile,customer_email,customer_username,customer r password,customer address)

VALUES('011','SRUTI','85687','seersha','nestart','ifeelu','dharwad');

INSERT INTO T10_customerdetailsNEW

(customer_id,customer_name,customer_mobile,customer_email,customer_username,customer r password,customer address)

VALUES('012','PREETA','83444','fazila','neart','makeme','araku');

INSERT INTO T10_customerdetailsNEW

(customer_id,customer_name,customer_mobile,customer_email,customer_username,customer_password,customer_address)

VALUES('013','KRITHIKA','83674','grahuri','art','livetofull','sangam');

INSERT INTO T10_customerdetailsNEW

(customer_id,customer_name,customer_mobile,customer_email,customer_username,customer r password,customer address)

VALUES('014', 'PRIYA', '84321', 'nikitha', 'newstt', 'urgud', 'buchi');

INSERT INTO T10 customerdetailsNEW

(customer_id,customer_name,customer_mobile,customer_email,customer_username,customer_password,customer_address)

VALUES('015', 'ROYA', '85667', 'nisha', 'nestt', 'dontno', 'delhi');

INSERT INTO T10_customerdetailsNEW

 $(customer_id, customer_name, customer_mobile, customer_email, customer_username, customer_password, customer_address)$

VALUES('016','JIYA','84493','shrija','nstart','newparent','bombay');

INSERT INTO T10 customerdetailsNEW

 $(customer_id, customer_name, customer_mobile, customer_email, customer_username, customer_password, customer_address)$

VALUES('017', 'RIYA', '85554', 'nisha', 'nert', 'lifeisme', 'dargling');

Output:-

00 %	(SELECT CU INSERT INT INSERT INT	ustomer_id,cus TO T10_custome TO T10_custome	tomer_name,cu rdetailsNEW V rdetailsNEW V	tomer_mobile,cu ALUES('002','CHA ALUES('003','MAN	stomer_email,cu ITRA','80825','0 ASA','9127','mar	stomer_username,	customer_passwo areddy','msaich opefulife','kov		
# 1	Results Bill N	lessages customer name	customer mobile	customer email	customer usemame	customer password	customer address		
1	1	CHAITRA	82096	chatra@gmail.com	msaichaitra	lttle	kadapa		
2	2	CHAITRA	80825	chatra	chatrareddy	msaichaitra	kadapa		
3	3	MANASA	9127	manasa	hello	hopefulfe	kovur		
4	4	RITHIKA	989787	nthika	myself	creativeme	maduria		
5	5	ROJA	85674	roja	newstart	newroja	ongole		
5	6	DEEPTI	8083	deepti	life	rightdeepti	belgum		
7	7	AMRUTHA	8082	amrutha	takerest	meamrutha	vizag		
8	8	PRAGYA	85654	hemma	nayikahani	newpragya	manglore		
9	9	PRACHI	8523	yashh	examalert	prachi	goa		
10	10	SRISTI	83444	nika	newstat	iknow	hubli		
11	11	SRUTI	85687	seersha	nestart	řeelu	dharwad		
12	12	PREETA	83444	fazila	neart	makeme	araku		
13	13	KRITHIKA	83674	grahuri	art	livetofull	sangam		
14	14	PRIYA	84321	nikitha	newstt	urgud	buchi		
15	15	ROYA	85667	nisha	nestt	dontno	delhi		
16	16	JIYA	84493	shrija	nstart	newparent	bombay		
17	17	RIYA	85554	nisha	nert	lifeisme	dargling		
18	18	SIRI	86674	rushi	newstar	newsiń	ongol		
19	19	SEEMA	87774	sushma	freshlife	newseema	palem		
20	20	VAISHNAVI	89874	aisha	freshstart	newvaish	banglore	Activate Wi	

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

Query:-

```
/*violation of primary key constraint*/
INSERT INTO
T10_customer_detailsNEW(customer_id,customer_name,customer_mobile,customer_email.cu
stomer_username,customer_password,customer_address)
VALUES(001, 'CHAITRA', '82096', 'chaitra@gmail.com', 'msaichaitra', 'little', 'kadapa');
/*violation of not null constraint*/
INSERT INTO
T10 customerdetailsNEW(customer id, customer name, customer mobile, customer email, custom
er_username, customer_password, customer_address)
VALUES(004, 'CHAITRA', NULL, 'chaitra', 'msaichaitra', 'little', 'kadapa');
/*Violation of default constarint*/
ALTER TABLE dbo.T10_customerdetailsNEW
ADD CONSTRAINT df_customer_name
DEFAULT '87997' FOR customer_name;
INSERT INTO T10_customerdetailsNEW
(\verb|customer_id|, \verb|customer_name|, \verb|customer_mobile|, \verb|customer_email|, \verb|customer_username|, \verb|customer_p|, \verb|customer_mobile|, \verb|customer_email|, \verb|customer_username|, \verb|customer_mobile|, \verb|customer_email|, \verb|customer_username|, \verb|customer_mobile|, \verb|customer_email|, \verb|customer_username|, \verb|customer_email|, \verb|customer_email|, \verb|customer_mobile|, \verb|customer_email|, \|customer_email|, \
assword,customer_address)
VALUES(103, 'RAGHU', 23333, 'harsh', 'rishi', 'raghuriss', 'kolkata')
Output:-
```

Primary key violation

Not null violation

Default constraint

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

Query:-

```
INSERT INTO T10_booking_details
VALUES (1010,2010,NULL,NULL,10,NULL);
```

Output:-

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.

Query:-

```
DELETE FROM T10_customerdetailsNEW WHERE
customer_id=1010;
```

Output:-

```
SQLQuery1.sql - C...HAITRA\admin (53))* 
DELETE FROM T10_customerdetailsNEW WHERE customer_id=1010;

100 % 
Messages

(0 rows affected)

Completion time: 2021-02-19T16:07:57.2038536+05:30
```

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

Query:-

```
UPDATE T10_customerdetailsNEW
SET customer_name='cherry'
WHERE customer_id=021
```

Output:-

7. Add a column which has default value.

Query:-

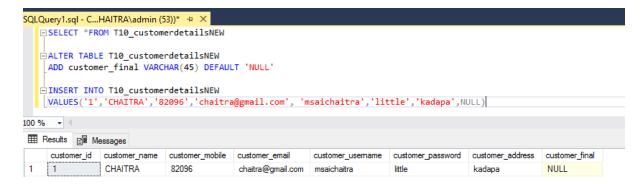
```
SELECT *FROM T10_customerdetailsNEW

ALTER TABLE T10_customerdetailsNEW

ADD customer_final VARCHAR(45) DEFAULT 'NULL'
```

INSERT INTO T10_customerdetailsNEW VALUES('1', 'CHAITRA', '82096', 'chaitra@gmail.com', 'msaichaitra', 'little', 'kadapa', NULL)

Output:-



8. Five (5) Simple Select queries to retrieve data from your database.

Query:-

```
SELECT customer_name FROM T10_customerdetailsNEW

SELECT customer_name FROM T10_customerdetailsNEW WHERE customer_id = 001

SELECT *FROM T10_customerdetailsNEW

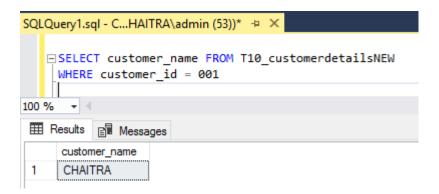
Select * from T10_customerdetailsNEW
where customer_id in (Select customer_id from T10_customerdetailsNEW where

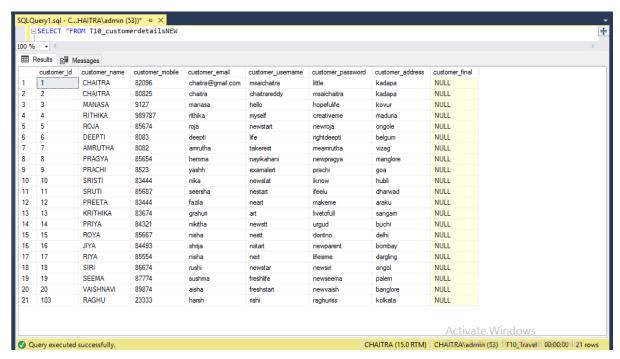
customer_id = 002);

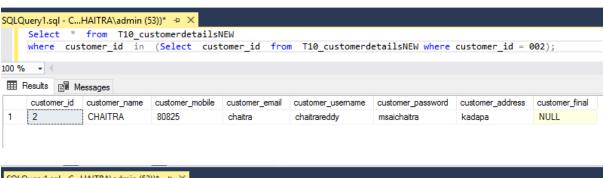
SELECT TOP 5*FROM T10_customerdetailsNEW
```

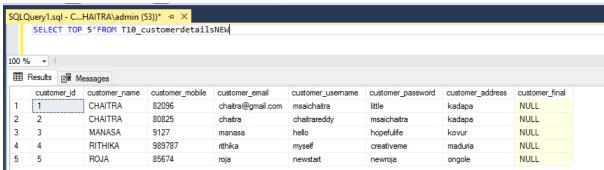
Output:-











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.

Query:-

```
UPDATE T10_booking_details
SET booking_date=4
WHERE booking_id=2004;
```

Output:-

