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Roll-Number:19BCS110
Database Management Systems Lab Assignment – 3

QUESTION-1:

```
ALTER TABLE T3_HotelsAtDestination ADD ratingForTen INT;
ALTER TABLE T3_CustomerDetails ALTER COLUMN first_name varchar(32) NOT NULL;
ALTER TABLE T3_HotelsAtDestination DROP COLUMN ratingForTen;
```

100 %

Messages

Commands completed successfully.

Completion time: 2021-02-19T08:12:12.2601164+06:30

100 %

Query executed successfully.   localhost (15.0 RTM)   LAPTOP-4ITT7EC0\krish ...   T3_Travel   00:00:00   0 rows

QUESTION-2:

```
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('01001', 'P. RAJESH', 'Driver', '911234567890', 12500);
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('01002', 'A. RAMESH', 'Driver', '911234567891', 12500);
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('02003', 'B. SURESH', 'Driver', '911234567892', 12500);
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('02004', 'N. NARESH', 'Driver', '911234567893', 12500);
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('01005', 'R. PARESH', 'Cleaner', '911234567894', 8000);
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('02006', 'T. MALLESH', 'Cleaner', '911234567895', 8000);
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('01007', 'O. JAYESH', 'Luggage Manager', '911234567897', 5000);
INSERT INTO T3_EmployeeDetails (employee_id, name, designation, phone_number, salary) VALUES ('02008', 'P. PARAMESH', 'Luggage Manager', '911234567898', 5000);
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000001', 'Kiran', 'Kumar', 31, 'M', '919999999999');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000002', 'Charan', 'Rao', 28, 'M', '919999999998');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000003', 'Farhan', 'Abdul', 37, 'M', '919999999997');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000004', 'Kissan', 'Chary', 21, 'M', '919999999996');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000005', 'Laban', 'Seth', 18, 'M', '919999999995');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000006', 'Cheman', 'Kumar', 35, 'M', '919999999994');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000007', 'Eeshwar', 'Prasad', 53, 'M', '919999999993');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000008', 'Raghavendra', 'Swamy', 42, 'M', '919999999992');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000009', 'Shivaji', 'Chatrapati', 61, 'M', '919999999991');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000010', 'Chakram', 'Kumar', 14, 'M', '919999999990');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000011', 'Jai', 'Krishna', 28, 'M', '919999999912');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000012', 'Prabha', 'lingaraju', 41, 'M', '919999999913');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000013', 'Somesh', 'Thakur', 33, 'M', '919999999914');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000014', 'Deepak', 'Choudary', 19, 'M', '919999999915');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000015', 'Karthik', 'Sajjan', 20, 'M', '919999999189');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000016', 'Suvarna', 'Ram', 54, 'F', '919999999979');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000017', 'Sunder', 'Ram', 54, 'M', '919999999923');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000018', 'Manaswini', 'Ksheeraja', 16, 'F', '919999999912');
```

Messages

(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)

Query executed successfully.   localhost (15.0 RTM)   LAPTOP-4ITT7EC0\krish ...   T3_Travel   00:00:00   0 rows

QUESTION-3:

```sql
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, gender, phone) VALUES ('0000000021', 'Ahmed', 'Latif', 21, 'M', '9898989898');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, gender, age, phone) VALUES ('0000000022', 'Veraarjun', 'Karthavirya', 'M', 24, '799367293
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, gender, phone) VALUES ('0000000023', 'Bhaskar', 'Jakka', 'M', '8985898516');
INSERT INTO T3_CustomerDetails (customer_id, first_name, last_name, age, phone) VALUES ('0000000024', 'Rathore', 'Vikram', 35, '9595951717');
```

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Messages

Msg 2627, Level 14, State 1, Line 1
Violation of PRIMARY KEY constraint 'PK_T3_CustomerDetails'. Cannot insert duplicate key in object 'dbo.T3_CustomerDetails'. The duplicate key value is (0000000021).
The statement has been terminated.
Msg 2627, Level 14, State 1, Line 2
Violation of UNIQUE KEY constraint 'UQ__T3_Custo__B43B143F18710604'. Cannot insert duplicate key in object 'dbo.T3_CustomerDetails'. The duplicate key value is (7993672936).
The statement has been terminated.
Msg 515, Level 16, State 2, Line 3
Cannot insert the value NULL into column 'age', table 'T3_Travel.dbo.T3_CustomerDetails'; column does not allow nulls. INSERT fails.
The statement has been terminated.

(1 row affected)

Completion time:

QUESTION-4:

```sql
INSERT INTO T3_Bus (booking_id, bus_id, bus_type, dateAndTime_of_Arrival, dateAndTime_of_Departure) VALUES('0200021', '6938', 'Sleeper', '2021-03-04T05:30:06
```

%

Messages

Msg 547, Level 16, State 0, Line 1
The INSERT statement conflicted with the FOREIGN KEY constraint "FK_T3_Bus_T3_PackageDetails1". The conflict occurred in database "T3_Travel", table "dbo.T3_PackageDetails", column 'booking_id'.
The statement has been terminated.

Completion time: 2021-02-19T12:16:07.0767443+05:30

QUESTION-5:

```
DELETE FROM T3_BookingDetails WHERE booking_id = '0100001';
```

```
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```

Messages

Msg 547, Level 16, State 0, Line 1
The DELETE statement conflicted with the REFERENCE constraint "FK_T3_PackageDetails_T3_BookingDetails". The conflict occurred in database "T3_Travel", table "dbo.T3_PackageDetails", column 'booking
The statement has been terminated.

Completion time: 2021-02-19T12:22:06.1556399+05:30

QUESTION-6:

```
UPDATE T3_CustomerDetails SET age = 34 WHERE customer_id = '0000000054';
```

```
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```

Messages

(0 rows affected)

Completion time: 2021-02-19T12:26:32.9880036+05:30

QUESTION-7:

```
ALTER TABLE T3_CustomerDetails ADD CONSTRAINT df_gender DEFAULT 'M' FOR gender;
```

Messages

Commands completed successfully.

Completion time: 2021-02-19T16:08:13.5579289+05:30

QUESTION-8:

```
SELECT * FROM T3_CustomerDetails;
SELECT * FROM T3_BookingDetails WHERE booking_id LIKE '02____';
SELECT bus_type FROM T3_Bus WHERE booking_id LIKE '01____';
SELECT name, phone_number FROM T3_EmployeeDetails WHERE employee_id = '01001';
SELECT * FROM T3_DestinationDetails WHERE city = 'Kulu Manali';
```

Results | Messages

	customer_id	first_name	last_name	age	gender	phone
1	0000000001	Kiran	Kumar	31	M	919999999999
2	0000000002	Charan	Rao	28	M	919999999998
3	0000000003	Farhan	Abdul	37	M	919999999997
4	0000000004	Kissan	Chary	21	M	919999999996
5	0000000005	Laban	Seth	18	M	919999999995

	customer_id	booking_id	payment_amount	payment_dateTime	refunded	refund_amount	refund_dateTime
1	0000000011	0200011	50000.00	2021-02-19 11:13:00.000	NULL	NULL	NULL
2	0000000012	0200012	50000.00	2021-02-19 10:18:00.000	NULL	NULL	NULL
3	0000000013	0200013	50000.00	2021-02-19 10:20:00.000	NULL	NULL	NULL
4	0000000014	0200014	50000.00	2021-02-19 10:25:00.000	NULL	NULL	NULL
5	0000000015	0200015	50000.00	2021-02-19 10:38:00.000	NULL	NULL	NULL

	bus_type
1	Sleeper
2	Sleeper
3	Sleeper
4	Sleeper
5	Sleeper

	name	phone_number
1	P. RAJESH	911234567890

	booking_id	city	hotel_name	hotel_description	address
1	0100001	Kulu Manali	Raj Palace	Good	Kulu Manali
2	0100002	Kulu Manali	Raj Palace	Good	Kulu Manali
3	0100003	Kulu Manali	Raj Palace	Good	Kulu Manali
4	0100004	Kulu Manali	Raj Palace	Good	Kulu Manali
5	0100005	Kulu Manali	Raj Palace	Good	Kulu Manali
6	0100006	Kulu Manali	Raj Palace	Good	Kulu Manali
7	0100007	Kulu Manali	Raj Palace	Good	Kulu Manali
8	0100008	Kulu Manali	Raj Palace	Good	Kulu Manali
9	0100009	Kulu Manali	Raj Palace	Good	Kulu Manali
10	0100010	Kulu Manali	Raj Palace	Good	Kulu Manali

QUESTION-9

```
UPDATE T3_Bus SET bus_type = '2 Seater' WHERE bus_id = '6938';
```

Messages

(10 rows affected)

Completion time: 2021-02-19T13:09:25.1083272+05:30