Name: Anurag Sahay

Enrl: 2020CSB092

Creating Table Truck

Truck Table after inserting values

```
mysql> SELECT * FROM TRUCK;

+-----+

| truck_no | driver_name |

+-----+

| 1001 | kaustubh |

| 1002 | mayank |

| 1003 | pratish |

| 1004 | IQBAL |

+----+
```

Creating table City

City tables after inserting values

```
mysql> SELECT * FROM CITY;

+-----+

| city_name | population |

+-----+

| KOLKATA | 1000000 |

| MUMBAI | 6000000 |

| DELHI | 8000000 |

| CHENNAI | 3000000 |

+-----+

4 rows in set (0.00 sec)
```

Creating table Customer

Customer table after Inserting values

Creating table Shipment

```
mysql> CREATE TABLE SHIPMENT(
         shipment_no int PRIMARY KEY,
          cust_id int REFERENCES CUSTOMER(cust_id) ON DELETE CASCADE,
    ->
          weight int CHECK(weight BETWEEN 0 AND 1000),
          truck no int REFERENCES TRUCK(truck no) ON DELETE SET NULL,
    ->
          destination varchar(12) REFERENCES CITY(city name),
    ->
         ship_date DATE );
Query OK, 0 rows affected (0.01 sec)
mysql> DESC SHIPMENT;
| Field | Type | Null | Key | Default | Extra |
     . - - - - - - + - - - - - - - - - - + - - - - - + - - - - + - - - - - + - - - - - + - - - - - - - -
6 rows in set (0.00 sec)
```

Shipment table after Inserting values

```
mysql> SELECT * FROM SHIPMENT;

| shipment_no | cust_id | weight | truck_no | destination | ship_date |
| 301 | 102 | 300 | 1002 | KOLKATA | 2022-09-11 |
| 302 | 101 | 500 | 1001 | DELHI | 2021-08-11 |
| 303 | 101 | 600 | 1004 | DELHI | 2022-07-10 |
| 304 | 104 | 20 | 1001 | MUMBAI | 2022-04-18 |
| 305 | 103 | 290 | 1001 | KOLKATA | 2022-02-11 |
| 306 | 102 | 300 | 1001 | CHENNAI | 2022-11-23 |
| 307 | 101 | 120 | 1003 | CHENNAI | 2022-09-11 |
| 308 | 101 | 220 | 1002 | KOLKATA | 2022-09-11 |
| 309 | 104 | 200 | 1001 | KOLKATA | 2022-09-11 |
| 310 | 103 | 10 | 1004 | MUMBAI | 2021-04-11 |
| 10 rows in set (0.00 sec)
```

Query:

1.

```
mysql> (SELECT cust_name FROM CUSTOMER,SHIPMENT
          WHERE CUSTOMER.cust_id=SHIPMENT.cust_id
           AND destination="KOLKATA")
    ->
          UNION
   ->
    -> (SELECT cust_name FROM CUSTOMER, SHIPMENT
           WHERE CUSTOMER.cust_id=SHIPMENT.cust_id
          AND destination="CHENNAI")
    ->
           UNION
    ->
   -> (SELECT cust_name FROM CUSTOMER, SHIPMENT
           WHERE CUSTOMER.cust_id=SHIPMENT.cust_id
           AND destination="MUMBAI");
 cust_name |
 jav
 veeru
 anurag
 thakur
4 rows in set (0.00 sec)
```

2.

3.

4.

5.

6.

8.

9.