ASSIGNMENT – 2

Question (A)

Develop DDL to implement above schema enforcing primary key, check constraints and foreign key constraint.

Customer Table

```
mysql> create table Customer(Customerno varchar(5),Cname varchar(50));
Query OK, 0 rows affected (0.06 sec)

mysql> alter table Customer add constraint chk3 check(Customerno like 'C %');
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> Alter table customer add primary key(Customerno);
Query OK, 0 rows affected (0.08 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Cust_Order Table

```
mysql> Create table Cust_Order(Orderno varchar(5),Odate Date,Customerno varchar(5),Ord_amt int(6) default 0);
Query OK, 0 rows affected (0.05 sec)

mysql> alter table cust_order add primary key(orderno);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table cust_order add foreign key(customerno) references customer(customerno);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table Cust_Order add constraint chk2 check(Orderno like 'O %');
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Item Table

```
mysql> create table Item(Itemno varchar(5),Item_name varchar(30),unit_price int(5));
Query OK, 0 rows affected (0.05 sec)

mysql> alter table Item add constraint chk check(Itemno like 'I %');
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> alter table Item add primary key(Itemno);
Query OK, 0 rows affected (0.07 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Order_item Table

```
mysql> create table Order_item(Orderno varchar(5),Itemno varchar(5),qty int(3));
Query OK, 0 rows affected (0.06 sec)

mysql> alter table order_item add primary key(orderno,itemno);
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> alter table order_item add foreign key(orderno) references cust_order(orderno);
Query OK, 0 rows affected (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> alter table order_item add foreign key(itemno) references item(itemno);
Query OK, 0 rows affected (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Question (B)

Populate Database with rich data set.

Customer Table

```
mysql> INSERT INTO CUSTOMER VALUES('C0001','ISHA KHARE');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0002','VARSHA DESHMUKH');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0003','ASHA JAIN');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0004','GAUTAM SHARMA');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0005','NISCHAY MALHAN');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0006','PRERNA DEVID');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0007','DEVENDRA THAKUR');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0008','DEEPTI MUKATI');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0009','SONAM TIWARI');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES('C0010','RAHUL VERMA');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from customer;
+------------+------------------+
| Customerno | Cname            |
+------------+------------------+
| C0001      | ISHA KHARE       |
| C0002      | VARSHA DESHMUKH  |
| C0003      | ASHA JAIN        |
| C0004      | GAUTAM SHARMA    |
| C0005      | NISCHAY MALHAN   |
| C0006      | PRERNA DEVID     |
| C0007      | DEVENDRA THAKUR  |
| C0008      | DEEPTI MUKATI    |
| C0009      | SONAM TIWARI     |
| C0010      | RAHUL VERMA      |
+------------+------------------+
10 rows in set (0.00 sec)
```

Cust_Order Table

```
mysql> INSERT INTO Cust_Order VALUES('00001',STR_TO_DATE('4,2,2023','%d,%m,%Y'),'C0003',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00002',STR_TO_DATE('6,5,2023','%d,%m,%Y'),'C0003',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00003',STR_TO_DATE('7,11,2023','%d,%m,%Y'),'C0003',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00004',STR_TO_DATE('12,12,2023','%d,%m,%Y'),'C0001',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00005',STR_TO_DATE('12,8,2023','%d,%m,%Y'),'C0001',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00006',STR_TO_DATE('22,8,2023','%d,%m,%Y'),'C0010',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00007',STR_TO_DATE('15,8,2023','%d,%m,%Y'),'C0010',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00008',STR_TO_DATE('5,4,2023','%d,%m,%Y'),'C0002',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00009',STR_TO_DATE('5,6,2023','%d,%m,%Y'),'C0003',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00010',STR_TO_DATE('2,3,2023','%d,%m,%Y'),'C0004',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00011',STR_TO_DATE('12,9,2023','%d,%m,%Y'),'C0004',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00012',STR_TO_DATE('11,6,2023','%d,%m,%Y'),'C0004',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00013',STR_TO_DATE('15,3,2023','%d,%m,%Y'),'C0005',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00014',STR_TO_DATE('14,5,2023','%d,%m,%Y'),'C0010',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00015',STR_TO_DATE('9,9,2023','%d,%m,%Y'),'C0004',0);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Cust_Order VALUES('00016',STR_TO_DATE('10,11,2023','%d,%m,%Y'),'C0010',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00017',STR_TO_DATE('4,4,2023','%d,%m,%Y'),'C0007',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00018',STR_TO_DATE('8,4,2023','%d,%m,%Y'),'C0008',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00019',STR_TO_DATE('20,2,2023','%d,%m,%Y'),'C0005',0);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Cust_Order VALUES('00020',STR_TO_DATE('21,6,2023','%d,%m,%Y'),'C0005',0);
Query OK, 1 row affected (0.00 sec)

mysql> select * from Cust_Order;
+---------+------------+------------+---------+
| Orderno | Odate      | Customerno | Ord_amt |
+---------+------------+------------+---------+
| 00001   | 2023-02-04 | C0003      |       0 |
| 00002   | 2023-05-06 | C0003      |       0 |
| 00003   | 2023-11-07 | C0003      |       0 |
| 00004   | 2023-12-12 | C0001      |       0 |
| 00005   | 2023-08-12 | C0001      |       0 |
| 00006   | 2023-08-22 | C0010      |       0 |
| 00007   | 2023-08-15 | C0010      |       0 |
| 00008   | 2023-04-05 | C0002      |       0 |
| 00009   | 2023-06-05 | C0003      |       0 |
| 00010   | 2023-03-02 | C0004      |       0 |
| 00011   | 2023-09-12 | C0004      |       0 |
| 00012   | 2023-06-11 | C0004      |       0 |
| 00013   | 2023-03-15 | C0005      |       0 |
| 00014   | 2023-05-14 | C0010      |       0 |
| 00015   | 2023-09-09 | C0004      |       0 |
| 00016   | 2023-11-10 | C0010      |       0 |
| 00017   | 2023-04-04 | C0007      |       0 |
| 00018   | 2023-04-08 | C0008      |       0 |
| 00019   | 2023-02-20 | C0005      |       0 |
| 00020   | 2023-06-21 | C0005      |       0 |
+---------+------------+------------+---------+
20 rows in set (0.00 sec)
```

Item Table

```
mysql> INSERT INTO ITEM VALUES('I0001','TOOTHPASTE',80);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO ITEM VALUES('I0002','CHAIR',1500);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO ITEM VALUES('I0003','TABLE',2500);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO ITEM VALUES('I0004','PEN',10);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO ITEM VALUES('I0005','PENCIL',5);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from Item;
+--------+------------+------------+
| Itemno | Item_name  | unit_price |
+--------+------------+------------+
| I0001  | TOOTHPASTE |         80 |
| I0002  | CHAIR      |       1500 |
| I0003  | TABLE      |       2500 |
| I0004  | PEN        |         10 |
| I0005  | PENCIL     |          5 |
+--------+------------+------------+
5 rows in set (0.00 sec)
```

Order_item Table

```
mysql> INSERT INTO Order_item VALUES('00001','I0001',2);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Order_item VALUES('00002','I0002',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00003','I0002',4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00004','I0003',3);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00005','I0001',3);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00006','I0002',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00007','I0003',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00008','I0004',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00009','I0002',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00010','I0004',4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00011','I0001',4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00012','I0003',4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00013','I0002',5);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00014','I0004',4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00015','I0005',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00016','I0001',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00017','I0002',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00018','I0004',3);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Order_item VALUES('00019','I0001',5);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00020','I0005',5);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00001','I0002',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00002','I0001',2);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Order_item VALUES('00003','I0001',4);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Order_item VALUES('00004','I0002',4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00005','I0002',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00006','I0003',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00007','I0002',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00008','I0001',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00009','I0004',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00010','I0003',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00011','I0005',3);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00012','I0004',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00013','I0001',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00014','I0003',10);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00015','I0003',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00016','I0005',1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00017','I0003',2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00018','I0002',4);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Order_item VALUES('00019','I0004',4);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Order_item VALUES('00020','I0002',6);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> SELECT * FROM Order_item;
+---------+--------+------+
| Orderno | Itemno | qty  |
+---------+--------+------+
| 00001   | I0001  |    2 |
| 00001   | I0002  |    2 |
| 00002   | I0001  |    2 |
| 00002   | I0002  |    2 |
| 00003   | I0001  |    4 |
| 00003   | I0002  |    4 |
| 00004   | I0002  |    4 |
| 00004   | I0003  |    3 |
| 00005   | I0001  |    3 |
| 00005   | I0002  |    1 |
| 00006   | I0002  |    2 |
| 00006   | I0003  |    2 |
| 00007   | I0002  |    1 |
| 00007   | I0003  |    2 |
| 00008   | I0001  |    1 |
| 00008   | I0004  |    2 |
| 00009   | I0002  |    2 |
| 00009   | I0004  |    1 |
| 00010   | I0003  |    2 |
| 00010   | I0004  |    4 |
| 00011   | I0001  |    4 |
| 00011   | I0005  |    3 |
| 00012   | I0003  |    4 |
| 00012   | I0004  |    2 |
| 00013   | I0001  |    1 |
| 00013   | I0002  |    5 |
| 00014   | I0003  |   10 |
| 00014   | I0004  |    4 |
| 00015   | I0003  |    1 |
| 00015   | I0005  |    1 |
| 00016   | I0001  |    2 |
| 00016   | I0005  |    1 |
| 00017   | I0002  |    2 |
| 00017   | I0003  |    2 |
| 00018   | I0002  |    4 |
| 00018   | I0004  |    3 |
| 00019   | I0001  |    5 |
| 00019   | I0004  |    4 |
| 00020   | I0002  |    6 |
| 00020   | I0005  |    5 |
+---------+--------+------+
40 rows in set (0.00 sec)
```

Question (C)

Develop a SQL query to list the details of customers who have placed more than 3 orders.

```
mysql> SELECT * FROM CUSTOMER C WHERE C.CUSTOMERNO IN (SELECT O.CUSTOMERNO FROM CUST_ORDER O GROUP BY O.CUSTOMERNO HAVING COUNT(O.ORDERNO)>3 );
+------------+--------------+
| Customerno | Cname        |
+------------+--------------+
| C0003      | ASHA JAIN    |
| C0004      | GAUTAM SHARMA |
| C0010      | RAHUL VERMA  |
+------------+--------------+
3 rows in set (0.00 sec)
```
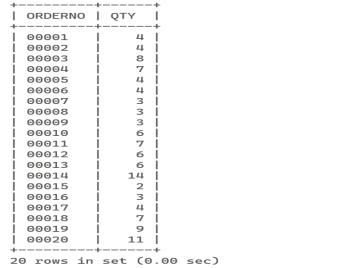
Question (D)

Develop a SQL query to list the details of items whose price is less than the average price of all items in each order.

```
mysql> SELECT * FROM ITEM I WHERE I.UNIT_PRICE < (SELECT AVG(UNIT_PRICE) FROM ITEM);
+--------+------------+------------+
| Itemno | Item_name  | unit_price |
+--------+------------+------------+
| I0001  | TOOTHPASTE |         80 |
| I0004  | PEN        |         10 |
| I0005  | PENCIL     |          5 |
+--------+------------+------------+
3 rows in set (0.00 sec)
```

Question (E)

Develop a SQL query to list the orderno and number of items in each order.

```
mysql> SELECT ORDERNO,SUM(QTY) AS QTY FROM ORDER_ITEM GROUP BY ORDERNO;
+---------+------+
| ORDERNO | QTY  |
+---------+------+
| 00001   |    4 |
| 00002   |    4 |
| 00003   |    8 |
| 00004   |    7 |
| 00005   |    4 |
| 00006   |    4 |
| 00007   |    3 |
| 00008   |    3 |
| 00009   |    3 |
| 00010   |    6 |
| 00011   |    7 |
| 00012   |    6 |
| 00013   |    6 |
| 00014   |   14 |
| 00015   |    2 |
| 00016   |    3 |
| 00017   |    4 |
| 00018   |    7 |
| 00019   |    9 |
| 00020   |   11 |
+---------+------+
20 rows in set (0.00 sec)
```

Question (F)

Develop a SQL query to list the details of items that are present in 25% of the orders.

```
mysql> SELECT * FROM ITEM WHERE ITEMNO IN (SELECT ITEMNO FROM ORDER_ITEM GROUP BY ITEMNO HAVING COUNT(ITEMNO)>=(SELECT (COUNT(*)/4) FROM CUST_OR
DER));
+--------+------------+------------+
| Itemno | Item_name  | unit_price |
+--------+------------+------------+
| I0001  | TOOTHPASTE |         80 |
| I0002  | CHAIR      |       1500 |
| I0003  | TABLE      |       2500 |
| I0004  | PEN        |         10 |
+--------+------------+------------+
4 rows in set (0.00 sec)
```

Question (G)

Develop an update statement to update the value of Ord_amt.

```
mysql> UPDATE Cust_Order set Ord_amt=3160 WHERE Orderno ='00001';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=3160 WHERE Orderno ='00002';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=6320 WHERE Orderno ='00003';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=13500 WHERE Orderno ='00004';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=1740 WHERE Orderno ='00005';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=8000 WHERE Orderno ='00006';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=6500 WHERE Orderno ='00007';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=100 WHERE Orderno ='00008';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=3010 WHERE Orderno ='00009';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=5040 WHERE Orderno ='00010';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> UPDATE Cust_Order set Ord_amt=335 WHERE Orderno ='00011';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=10020 WHERE Orderno ='00012';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=7580 WHERE Orderno ='00013';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=25040 WHERE Orderno ='00014';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=2505 WHERE Orderno ='00015';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=165 WHERE Orderno ='00016';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=8000 WHERE Orderno ='00017';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=6030 WHERE Orderno ='00018';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=440 WHERE Orderno ='00019';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE Cust_Order set Ord_amt=9025 WHERE Orderno ='00020';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM Cust_Order;
+---------+------------+------------+---------+
| Orderno | Odate      | Customerno | Ord_amt |
+---------+------------+------------+---------+
| 00001   | 2023-02-04 | C0003      |    3160 |
| 00002   | 2023-05-06 | C0003      |    3160 |
| 00003   | 2023-11-07 | C0003      |    6320 |
| 00004   | 2023-12-12 | C0001      |   13500 |
| 00005   | 2023-08-12 | C0001      |    1740 |
| 00006   | 2023-08-22 | C0010      |    8000 |
| 00007   | 2023-08-15 | C0010      |    6500 |
| 00008   | 2023-04-05 | C0002      |     100 |
| 00009   | 2023-06-05 | C0003      |    3010 |
| 00010   | 2023-03-02 | C0004      |    5040 |
| 00011   | 2023-09-12 | C0004      |     335 |
| 00012   | 2023-06-11 | C0004      |   10020 |
| 00013   | 2023-03-15 | C0005      |    7580 |
| 00014   | 2023-05-14 | C0010      |   25040 |
| 00015   | 2023-09-09 | C0004      |    2505 |
| 00016   | 2023-11-10 | C0010      |     165 |
| 00017   | 2023-04-04 | C0007      |    8000 |
| 00018   | 2023-04-08 | C0008      |    6030 |
| 00019   | 2023-02-20 | C0005      |     440 |
| 00020   | 2023-06-21 | C0005      |    9025 |
+---------+------------+------------+---------+
20 rows in set (0.00 sec)
```

Question (H)

Create a view that keeps track of details of each customer and number of Order placed.

```
mysql> CREATE VIEW CUSTOMER_DETAILS AS SELECT C.CUSTOMERNO,C.CNAME,COUNT(ORDERNO) AS ORDER_COUNT FROM CUSTOMER C,CUST_ORDER O WHERE C.CUSTOMERNO
=O.CUSTOMERNO GROUP BY C.CUSTOMERNO,C.CNAME;
Query OK, 0 rows affected (0.01 sec)

mysql> SELECT * FROM CUSTOMER_DETAILS;
+------------+-----------------+-------------+
| CUSTOMERNO | CNAME           | ORDER_COUNT |
+------------+-----------------+-------------+
| C0001      | ISHA KHARE      |           2 |
| C0002      | VARSHA DESHMUKH |           1 |
| C0003      | ASHA JAIN       |           4 |
| C0004      | GAUTAM SHARMA   |           4 |
| C0005      | NISCHAY MALHAN  |           3 |
| C0007      | DEVENDRA THAKUR |           1 |
| C0008      | DEEPTI MUKATI   |           1 |
| C0010      | RAHUL VERMA     |           4 |
+------------+-----------------+-------------+
8 rows in set (0.00 sec)
```