



***INSTITUTE OF INFORMATION TECHNOLOGY***  
***JAHANGIRNAGAR UNIVERSITY***

**Lab Exam** : 01  
**Submission Date** : 04/01/2022  
**Course Title** : Database Management System Lab  
**Course Code** : ICT - 2204

**Submitted To**

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IIT – JU

## Create Customer Table

```
mysql> use customer_order;
Database changed
mysql> create table Customer_2023 (Cust_ID int(10), Cust_name varchar(15), Cust_Country varchar(10),Cust_Address varchar(100), Cust_Phone int(20), primary key(Cust_ID));
Query OK, 0 rows affected (0.40 sec)

mysql> insert into customer_2023 values (175, "Talat Noor", "Bangladesh", "Tejturipara, Farmgate, Dhaka", 01711545454);
Query OK, 1 row affected (0.15 sec)

mysql> insert into customer_2023 values (176, "Manan Noor", "India", "Belvedere Rd, Alipore, Kolkata", 017115655656);
ERROR 1264 (22003): Out of range value for column 'Cust_Phone' at row 1
mysql> insert into customer_2023 values (176, "Manan Noor", "India", "Belvedere Rd, Alipore, Kolkata", 01711565656);
Query OK, 1 row affected (0.00 sec)

mysql> insert into customer_2023 values (177, "Noor Hossain", "Bangladesh", "Gulshan-1, Dhaka", 01711575757);
Query OK, 1 row affected (0.00 sec)

mysql> select *from customer_2023;
+-----+-----+-----+-----+-----+
| Cust_ID | Cust_name | Cust_Country | Cust_Address | Cust_Phone |
+-----+-----+-----+-----+-----+
| 175 | Talat Noor | Bangladesh | Tejturipara, Farmgate, Dhaka | 1711545454 |
| 176 | Manan Noor | India | Belvedere Rd, Alipore, Kolkata | 1711565656 |
| 177 | Noor Hossain | Bangladesh | Gulshan-1, Dhaka | 1711575757 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

## Create Order Table

```
mysql> create table Order_2023 (O_ID int(10), Date date,Purchase_Amount(TK) int(10), Cust_ID int(5));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
t_ID int(5))' at line 1
mysql> create table Order_2023 (O_ID int(10), Date date, Purchase_Amount int(10), Cust_ID int(5));
Query OK, 0 rows affected (0.11 sec)

mysql> insert into order_2023 values(001, 25.12.2021, 18750, 177);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
)' at line 1
mysql> insert into order_2023 values(001, "25.12.2021", 18750, 177);
Query OK, 1 row affected, 1 warning (0.02 sec)

mysql> insert into order_2023 values(002, "25.12.2021", 7000, 176);
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> insert into order_2023 values(003, "26.12.2020", 20700, 176);
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> insert into order_2023 values(004, "01.10.2021", 32000, 176);
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> select *from order_2023;
+-----+-----+-----+-----+
| O_ID | Date | Purchase_Amount | Cust_ID |
+-----+-----+-----+-----+
| 1 | 2025-12-20 | 18750 | 177 |
| 2 | 2025-12-20 | 7000 | 176 |
| 3 | 2026-12-20 | 20700 | 176 |
| 4 | 2001-10-20 | 32000 | 176 |
+-----+-----+-----+-----+
```

## Create Item Table

```
mysql> create table Item_2023 (Item_id int(10), Item_name varchar(15), Type varchar(10), UnitPrice int(10), AvailableQuantity int(5));
Query OK, 0 rows affected (0.08 sec)

mysql> insert into Item_2023 values(0101, "Flour packet", "Grocery", 75, 50);
Query OK, 1 row affected (0.03 sec)

mysql> insert into Item_2023 values(0111, "Rice packet", "Grocery", 50, 40);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Item_2023 values(0151, "Dairy Milk", "Chocolate", 45, 60);
Query OK, 1 row affected (0.00 sec)

mysql> select *from Item_2023;
+-----+-----+-----+-----+-----+
| Item_id | Item_name | Type | UnitPrice | AvailableQuantity |
+-----+-----+-----+-----+-----+
| 101 | Flour packet | Grocery | 75 | 50 |
| 111 | Rice packet | Grocery | 50 | 40 |
| 151 | Dairy Milk | Chocolate | 45 | 60 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

## Create Ord Item Table

```
mysql> create table Ord_Item_2023 (Item_id int(10), O_id int(10), Quantity int(5));
Query OK, 0 rows affected (0.07 sec)

mysql> insert into Ord_Item_2023 values(0101, 001, 15);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Ord_Item_2023 values(0111, 001, 15);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Ord_Item_2023 values(0111, 002, 15);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Ord_Item_2023 values(0151, 002, 20);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Ord_Item_2023 values(0151, 003, 20);
Query OK, 1 row affected (0.00 sec)

mysql> select *from Ord_Item_2023;
+-----+-----+-----+
| Item_id | O_id | Quantity |
+-----+-----+-----+
| 101 | 1 | 15 |
| 111 | 1 | 15 |
| 111 | 2 | 15 |
| 151 | 2 | 20 |
| 151 | 3 | 20 |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

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### Answer 1

```
mysql> select cust_phone, cust_country from customer_2023;
+-----+-----+
| cust_phone | cust_country |
+-----+-----+
| 1711545454 | Bangladesh  |
| 1711565656 | India       |
| 1711575757 | Bangladesh  |
+-----+-----+
3 rows in set (0.00 sec)
```

### Answer 2

### Answer 3

### Answer 4

```
mysql> select count(date) from Order_2023 where date!="26.12.2020";
+-----+
| count(date) |
+-----+
|          4  |
+-----+
1 row in set (0.00 sec)
```

### Answer 5

### Answer 6

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## **Answer 7**

## **Answer 8**

```
mysql> select customer_2023.Cust_Id from order_2023 right JOIN customer_2023 ON order_2023.Cust_Id=customer_2023.Cust_Id where O_id is NULL;
+-----+
| Cust_Id |
+-----+
|      175 |
+-----+
1 row in set (0.00 sec)
```

## **Answer 9**

## **Answer 10**