



INSTITUTE OF INFORMATION TECHNOLOGY
JAHANGIRNAGAR UNIVERSITY

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Creating Order Table

```
mysql> create table Order_shakil_2023(Order_ID varchar(10), Cust_ID varchar(5), Order_date date, Purchase_amount int(10), No_of_item int(10), primary key(Order_ID));
Query OK, 0 rows affected (0.17 sec)
```

```
mysql> describe Order_shakil_2023;
```

Field	Type	Null	Key	Default	Extra
Order_ID	varchar(10)	NO	PRI	NULL	
Cust_ID	varchar(5)	YES		NULL	
Order_date	date	YES		NULL	
Purchase_amount	int(10)	YES		NULL	
No_of_item	int(10)	YES		NULL	

```
5 rows in set (0.02 sec)
```

```
mysql> insert into Order_shakil_2023 values ("O-1", "C-1", "2018-12-01", 20000, 4),
("O-2", "C-1", "2018-12-01", 30000, 3), ("O-3", "C-2", "2018-01-23", 17000, 10), ("O-4", "C-2", "2018-12-01", 5000, 9), ("O-5", "C-3", "2018-12-01", 5000, 12), ("O-6", "C-4", "2018-07-25", 4000, 6);
Query OK, 6 rows affected (0.00 sec)
```

```
Records: 6 Duplicates: 0 Warnings: 0
```

```
mysql> select *from Order_shakil_2023;
```

Order_ID	Cust_ID	Order_date	Purchase_amount	No_of_item
O-1	C-1	2018-12-01	20000	4
O-2	C-1	2018-12-01	30000	3
O-3	C-2	2018-01-23	17000	10
O-4	C-2	2018-12-01	5000	9
O-5	C-3	2018-12-01	5000	12
O-6	C-4	2018-07-25	4000	6

```
6 rows in set (0.00 sec)
```

Creating Customers Table :

```
mysql> create table customer_shakil_2023(Cust_ID varchar(10), Cust_name varchar(20)
, Cust_country varchar(15));
Query OK, 0 rows affected (0.10 sec)

mysql> describe customer_shakil_2023;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Cust_ID        | varchar(10)   | YES  |     | NULL    |       |
| Cust_name      | varchar(20)   | YES  |     | NULL    |       |
| Cust_country    | varchar(15)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into customer_shakil_2023 values ("C-1", "Badshah", "India"), ("C-2",
"Ayesha", "Bangladesh"), ("C-3", "Robert", "England"), ("C-4", "Darwin", "England")
, ("C-5", "Danish", "USA"), ("C-6", "Sohel", "Bangladesh");
Query OK, 6 rows affected (0.00 sec)
Records: 6  Duplicates: 0  Warnings: 0

mysql> select *from customer_shakil_2023;
+-----+-----+-----+
| Cust_ID | Cust_name | Cust_country |
+-----+-----+-----+
| C-1     | Badshah  | India        |
| C-2     | Ayesha   | Bangladesh   |
| C-3     | Robert   | England      |
| C-4     | Darwin   | England      |
| C-5     | Danish   | USA          |
| C-6     | Sohel    | Bangladesh   |
+-----+-----+-----+
6 rows in set (0.00 sec)
```

Shippers Table :

```
mysql> create table shippers_shakil_2023 (Shipper_ID varchar(5), Shipper_name varchar(10), Shipper_country varchar(10), Order_ID varchar(5));
Query OK, 0 rows affected (0.10 sec)
```

```
mysql> describe shippers_shakil_2023;
```

Field	Type	Null	Key	Default	Extra
Shipper_ID	varchar(5)	YES		NULL	
Shipper_name	varchar(10)	YES		NULL	
Shipper_country	varchar(10)	YES		NULL	
Order_ID	varchar(5)	YES		NULL	

```
4 rows in set (0.04 sec)
```

```
mysql> insert into shippers_shakil_2023 values ("S-1", "Amazon", "England", "O-5"), ("S-1", "Ocean-12", "India", "O-1"), ("S-2", "Ocean-11", "USA", "O-3"), ("S-3", "Amazon", "England", "O-6");
```

```
Query OK, 4 rows affected (0.00 sec)
```

```
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> select *from shippers_shakil_2023;
```

Shipper_ID	Shipper_name	Shipper_country	Order_ID
S-1	Amazon	England	O-5
S-1	Ocean-12	India	O-1
S-2	Ocean-11	USA	O-3
S-3	Amazon	England	O-6

```
4 rows in set (0.00 sec)
```

Answer - 1 :

```
mysql> SELECT * FROM order_shakil_2023 WHERE purchase_amount > (SELECT purchase_amount FROM order_shakil_2023 WHERE Order_ID="O-6");
```

Order_ID	Cust_ID	Order_date	Purchase_amount	No_of_item
O-3	C-2	2018-01-01	17000	10
O-4	C-2	2018-01-01	5000	9
O-5	C-3	2018-12-01	5000	12

3 rows in set (0.00 sec)

```
mysql>
```

Answer - 2:

```
mysql> SELECT * FROM order_shakil_2023 WHERE No_of_item<any(select No_of_item from order_shakil_2023 where Cust_ID in("C-2","C-4"));
```

Order_ID	Cust_ID	Order_date	Purchase_amount	No_of_item
O-1	C-1	2018-12-01	2000	4
O-2	C-1	2018-12-01	3000	3
O-4	C-2	2018-01-01	5000	9
O-6	C-4	2018-07-25	4000	6

4 rows in set (1.25 sec)

```
mysql>
```

Answer - 3:

```
mysql> SELECT * FROM order_shakil_2023 WHERE No_of_item < all(select No_of_item from order_shakil_2023 where Cust_ID in("C-2","C-4"));
```

Order_ID	Cust_ID	Order_date	Purchase_amount	No_of_item
O-1	C-1	2018-12-01	2000	4
O-2	C-1	2018-12-01	3000	3

2 rows in set (0.00 sec)

Answer - 5 :

```
mysql> select Order_ID from order_shakil_2023 where Purchase_amount>(select avg(Purchase_amount) from order_shakil_2023);
+-----+
| Order_ID |
+-----+
| 0-3      |
+-----+
1 row in set (0.05 sec)
```
