

Questions

1). Find the item that has minimum weight

query): select * from items where weight = (select min(weight) from items);

```
mysql> select * from items where weight = (select min(weight) from items);
+-----+-----+-----+-----+
| itemno | description | weight | cost |
+-----+-----+-----+-----+
| 232 | laptop | 2 | 30000 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

2). Find the different warehouses in "Pune"

query): select * from warehouse where location = 'Pune';

```
mysql> select * from warehouse;
+-----+-----+-----+
| wid | wname | location |
+-----+-----+-----+
| 1 | puneStore | Pune |
| 2 | penStore | Mumbai |
| 3 | stationaryStore | Pune |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from warehouse where location = 'Pune';
+-----+-----+-----+
| wid | wname | location |
+-----+-----+-----+
| 1 | puneStore | Pune |
| 3 | stationaryStore | Pune |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

3). Find the details of items ordered by a customer "Mr. Patil".

query): select customer.cname, items.itemno, description, weight, cost from customer, jordersitems, items where jordersitems.cno = customer.cno and items.itemno = jordersitems.itemno and customer.cname = 'Mr.Patil';

```
mysql> select cno from customer where cname = 'Mr.Patil';
+----+
| cno |
+----+
| 21  |
+----+
row in set (0.00 sec)

mysql> select * from jordersitems where cno = 21;
+----+-----+----+-----+
| ono | itemno | cno | ordered_quantity |
+----+-----+----+-----+
| 234 | 345    | 21  | 1                |
| 435 | 232    | 21  | 1                |
+----+-----+----+-----+
rows in set (0.00 sec)

mysql> select customer.cname,items.itemno,description,weight,cost from customer,jordersitems,items where jordersitems.cno = customer.cno and items.itemno = jordersitems
itemno and customer.cname = 'Mr.Patil';
+-----+-----+-----+-----+-----+
| cname | itemno | description | weight | cost |
+-----+-----+-----+-----+-----+
| Mr.Patil | 345 | gas stove | 5 | 10000 |
| Mr.Patil | 232 | laptop | 2 | 30000 |
+-----+-----+-----+-----+-----+
rows in set (0.00 sec)
```

4). Find a Warehouse which has maximum stores.

query): select wname from warehouse inner join (select wid, max(filtered.wid_count) from (select wid, count(wid) as wid_count from store group by wid) as filtered) as maxcount where warehouse.wid = maxcount.wid;

```
mysql> select warehouse.wname,store.wid from store,warehouse where store.wid = warehouse.wid;
+-----+-----+
| wname | wid |
+-----+-----+
| puneStore | 1 |
| puneStore | 1 |
| penStore | 2 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> select wname from warehouse inner join (select wid,max(filtered.wid_count) from (select wid,count(wid) as wid_count
from store group by wid) as filtered) as maxcount where warehouse.wid = maxcount.wid;
+-----+
| wname |
+-----+
| puneStore |
+-----+
1 row in set (0.00 sec)
```

5). Find an item which is ordered for a minimum number of times

query): select items.itemno , description, weight, cost from items, (select min(itemno) as min_itemno from jordersitems) as filtered where filtered.min_itemno = items.itemno;

```
mysql> select * from items;
+-----+-----+-----+-----+
| itemno | description | weight | cost |
+-----+-----+-----+-----+
| 232 | laptop | 2 | 30000 |
| 256 | refrigerator | 50 | 20000 |
| 345 | gas stove | 5 | 10000 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from jordersitems;
+-----+-----+-----+-----+
| ono | itemno | cno | ordered_quantity |
+-----+-----+-----+-----+
| 1 | 232 | 22 | 1 |
| 1 | 345 | 22 | 2 |
| 234 | 345 | 25 | 1 |
| 435 | 345 | 25 | 1 |
| 965 | 345 | 25 | 1 |
| 234 | 345 | 21 | 1 |
| 435 | 232 | 21 | 1 |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> select min(itemno) from jordersitems;
+-----+
| min(itemno) |
+-----+
| 232 |
+-----+
1 row in set (0.00 sec)

mysql> select items.itemno,description,weight,cost from items,(select min(itemno) as min_itemno from jordersitems) as filtered where filtered.min_itemno = items.itemno;
+-----+-----+-----+-----+
| itemno | description | weight | cost |
+-----+-----+-----+-----+
| 232 | laptop | 2 | 30000 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

6). Find the detailed orders given by each customer.

query): select customer.cname, orders.* from jordersitems, customer, orders where customer.cno = jordersitems.cno and jordersitems.ono = orders.ono;

```
mysql> select * from jordersitems;
```

ono	itemno	cno	ordered_quantity
1	232	22	1
1	345	22	2
234	345	25	1
435	345	25	1
965	345	25	1
234	345	21	1
435	232	21	1

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

```
mysql> select * from customer;
```

cno	cname	addr	cu_city
21	Mr.Patil	panvel	Mumbai
22	aditya	pune wada	Pune
25	Chaudhari	Ghatkopar	Mumbai
34	Animal	akurdi	Pune

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

```
mysql> select customer.cname,orders.* from jordersitems,customer,orders where customer.cno = jordersitems.cno and jordersitems.ono = orders.ono;
```

cname	ono	odate
Mr.Patil	234	2022-05-10
Mr.Patil	435	2022-05-10
aditya	1	2022-03-04
aditya	1	2022-03-04
Chaudhari	234	2022-05-10
Chaudhari	435	2022-05-10
Chaudhari	965	2022-06-11

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