

Set membership(in, not in)

- **Get order details of products, which are not from food and clothing category**

```
mysql> select orders.o_id, customers.u_name as "Customer Details", products.item as "Product Name", products.type as "Category", products.after_discount as "Price" from orders
```

```
-> inner join customers on orders.u_id = customers.u_id
```

```
-> inner join products on orders.p_id = products.p_id
```

```
-> where products.type NOT IN("food ", " clothing ");
```

```
+---+-----+-----+-----+-----+
| Id | Customer Details | Product Name | Category | Price |
+---+-----+-----+-----+-----+
| 1 | Rahul | Iphone 7 | electronic | 60000 |
| 5 | Simran | TV | electronic | 30000 |
+---+-----+-----+-----+-----+
```

2 rows in set (0.03 sec)

- **Get order details of products, which are from electronic and clothing category**

```
mysql> select orders.o_id, customers.u_name as "Customer Details", products.item as "Product Name", products.type as "Category", products.after_discount as "Price" from orders
```

```
-> inner join customers on orders.u_id = customers.u_id
```

```
-> inner join products on orders.p_id = products.p_id
```

```
-> where products.type NOT IN("food ", " clothing ");
```

```
+---+-----+-----+-----+-----+
| Id | Customer Details | Product Name | Category | Price |
+---+-----+-----+-----+-----+
| 1 | Rahul | Iphone 7 | electronic | 60000 |
| 3 | Simran | blue jeans | clothing | 3000 |
| 4 | Simran | SONY Bravia | electronic | 100000 |
+---+-----+-----+-----+-----+
```

3 rows in set (0.03 sec)

set comparison (<,>, <=,>=, <some, >=some, <all etc.)

- **Find the purchase order whose purchase amount is greater than maximum purchase amount**

```
mysql> select orders.o_id, customers.c_name as "Customer Details", products.item as "Product Name", products.after_discount as "Purchase Amount", products.type as "Category" from orders
```

```
-> inner join customers on orders.u_id = customers.u_id
```

```
-> inner join products on orders.p_id = products.p_id
```

```
-> where products. after_discount > (select max(after_discount) from products where after_discount < (select
```

```
max(after_discount) from products));
```

```
+---+-----+-----+-----+-----+
| Id | Customer Details | Product Name | Purchase Amount | Category |
+---+-----+-----+-----+-----+
| 4  | Simran          | SONY Bravia  | 100000          | electronic |
```

```
+---+-----+-----+-----+-----+
```

1 row in set (0.04 sec)

- **Get the product details whose product price is more than “Iphone 7”**

```
mysql> select Id as "Product Id", item, Description, Quantity, after_discount, type as "Category" from products where price > (select after_discount from products where Name = " Iphone 7");
```

```
+-----+-----+-----+-----+-----+-----+
| Product Id | item | Description | Quantity | after_discount | Category |
+-----+-----+-----+-----+-----+-----+
| 6          | SONY Bravia | smart tv | 4        | 80000          | electronic |
| 11         | Iphone 13 | smart phone | 5        | 99000          | electronic |
```

```
+-----+-----+-----+-----+-----+-----+
```

2 rows in set (0.04 sec)