Assignment 7 : Nested Sub-Queries
1.set membership(in, not in)
2.set comparison (<,>,<=,>=, <some, >=some, <all etc.)
Roll.No : 33364

1.Get order details of products which are not from electronics and sports category

```
MariaDB [OMS]> select * from product where cat_id not in(1,6,2,5);
+------+-------------+-------+--------+--------+
| p_id | p_name      | stock | price  | cat_id |
+------+-------------+-------+--------+--------+
|   16 | Urban       |     4 |  73100 |      3 |
|   17 | Notte125    |     1 |  73177 |      3 |
|   18 | SXL         |     4 |  85000 |      3 |
|   19 | VXL         |     3 |  81000 |      3 |
|   20 | Elegant     |     4 | 101000 |      3 |
|   21 | Apache160   |    14 |  79100 |      4 |
|   22 | Jupiter     |     1 |  52177 |      4 |
|   23 | NTORQ       |     7 |  58000 |      4 |
|   24 | Sport       |     3 |  39000 |      4 |
|   25 | Radeon      |     6 |  50000 |      4 |
|   31 | Classic     |    10 | 151000 |      7 |
|   32 | Bullet      |     5 | 124177 |      7 |
|   33 | Himalayan   |     3 | 179000 |      7 |
|   34 | Interceptor |     2 | 251000 |      7 |
|   35 | Thunderbird |     7 |  16400 |      7 |
+------+-------------+-------+--------+--------+
15 rows in set (0.001 sec)
```

2.Get the name and quantity of product which have either 10 or 20 or 30 quantities

```
MariaDB [OMS]> select * from product,contains where contains.qty in (2)  and
product.p_id=contains.p_id;
+------+---------+-------+-------+--------+------+------+------+
| p_id | p_name  | stock | price | cat_id | o_id | qty  | p_id |
+------+---------+-------+-------+--------+------+------+------+
|   27 | Passion |    50 | 54177 |      6 |    3 |    2 |   27 |
+------+---------+-------+-------+--------+------+------+------+
1 row in set (0.000 sec)
```

3.Get the product details whose product price is more than "Apple 7"

```
MariaDB [OMS]> select * from product where price > (select price from product
where p_name="Himalayan");
+------+-------------+-------+---------+--------+
| p_id | p_name      | stock | price   | cat_id |
+------+-------------+-------+---------+--------+
|   13 | Hayabusa    |     5 | 1300000 |      2 |
|   34 | Interceptor |     2 |  251000 |      7 |
+------+-------------+-------+---------+--------+
2 rows in set (0.001 sec)
```

4.Find the purchase order whose purchase amount is greater than maximum purchase amount

```
MariaDB [OMS]> select * from myorder where grandtotal > (select max(grandtotal)
from myorder);
Empty set (0.001 sec)
```