Database Management Systems Lab Experiment No: - 07 Aim: - Implement Complex SQL Queries

Aggregate Functions:-

1) Count the total no. of orders.

```
[mysql>
[mysql> select count(*) from sales_order;
+-----+
| count(*) |
+-----+
| 6 |
+-----+
1 row in set (0.00 sec)
```

2) Calculate the average price of all the products.

```
[mysql> select avg(sell_price) from Product_master;
+-----+
| avg(sell_price) |
+-----+
| 3993.750000 |
+-----+
1 row in set (0.01 sec)
```

3) Calculate the minimum price of product

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4) Determine the maximum and minimum product price. Rename the title as max_price and min_price respectively.

5) Count the number of product having price greater than or equal to 1500.

```
[mysql> select count(*) from Product_master where sell_price > 1499;
+-----+
| count(*) |
+-----+
| 4 |
+-----+
1 row in set (0.01 sec)
```

6) Find all products whose qty_on_hand is less than reorder level.

```
[mysql> select * from Product_master where Qty_on_hand < Reorder_lvl;
| Product_no | Description | Profit_percent | Unit_measure | Qty_on_hand | Reorder_lvl | Sell_price | Cost_price |
| P08865 | 1.22 Drive | 5.00 | Piece | 2 | 3 | 1050.00 | 1000.00 |
| tow in set (0.00 sec)
```

7)Count no. of products whose qty_on_hand is less than reorder level.

```
[mysql> select count(*) from Product_master where Qty_on_hand < Reorder_lvl;
+-----+
| count(*) |
+-----+
| 1 |
+-----+
1 row in set (0.00 sec)
```

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Having and Group By:-

1) Print the description and total qty sold for each product.

2) Find the value of each product sold.

Conclusion: LO mapped LO2,LO4.