Introduction to DBMS

PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
101	Mother Board	3200.00	15
102	Key Board	450.00	16
103	ZIP drive	250.00	14
104	Speaker	550.00	16
105	Monitor	5000.00	11
106	DVD drive	900.00	12
107	CD drive	800.00	12
108	Printer	2600.00	13
109	Refill cartridge	350.00	13
110	Mouse	250.00	12

Make sure to user right sql syntax to solve the query given below :

- Write sql query to find the items whose prices are higher than or equal 250rs. Order the result by product price in descending, then product name in ascending. Return pro_name and pro_price
- Write a sql query to find the cheapest item. Return pro_name and pro_price.
- Write the sql query to calculate the average price of the items for each company. Return average price and company code.
- Write the sql query to find the average total for all the product mention in the table

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1.

```
mysql> select pro_name , pro_price  from products where pro_price >=250 ORDER by pro_price DESC , pro_name ASC;
+------------------+-----------+
| pro_name         | pro_price |
+------------------+-----------+
| Monitor          |   5000.00 |
| Mother Board     |   3200.00 |
| Printer          |   2600.00 |
| DVD Drive        |    900.00 |
| CD Drive         |    800.00 |
| Speaker          |    550.00 |
| Key Board        |    450.00 |
| Refill Cartridge |    350.00 |
| Mouse            |    250.00 |
| Zip Drive        |    250.00 |
+------------------+-----------+
10 rows in set (0.00 sec)

mysql>
```

Query :

select * from pro_name , pro_price from products where pro_price >=250 ORDER by pro_price DESC , pro_name ASC;

2.

```
mysql> select pro_name , pro_price from products where pro_price = (select min(pro_price) from products);
+-----------+-----------+
| pro_name  | pro_price |
+-----------+-----------+
| Zip Drive |    250.00 |
| Mouse     |    250.00 |
+-----------+-----------+
2 rows in set (0.04 sec)

mysql>
```

Query : select * pro_name , pro_price from products where pro_price =

(select min(pro_price) from products);

3.

```
mysql> select pro_com ,avg(pro_price) as avg_price from  products group by pro_com;
+---------+-------------+
| pro_com | avg_price   |
+---------+-------------+
|      15 | 3200.000000 |
|      16 |  500.000000 |
|      14 |  250.000000 |
|      11 | 5000.000000 |
|      12 |  650.000000 |
|      13 | 1475.000000 |
+---------+-------------+
6 rows in set (0.00 sec)
```

Query : select pro_com , avg(pro_price) as avg_price from products group by pro_com;

4.

```
mysql> select avg(pro_price) as average_total_price from products;
+----------------------+
| average_total_price |
+----------------------+
|          1435.000000 |
+----------------------+
1 row in set (0.04 sec)
```

Query : select avg(pro_price) as average_total_price from products;