

Assessment

- Write SQL query to solve the problem given below

There given a table named as product

The products are the computer components like keyboard, motherboard, monitor , speaker, etc..

The product table contains attributes like product id, product name, price and product code

Example of such table is given below :

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

Ans CREATE TABLE item_mast (
 PRO_ID INT,
 PRO_NAME VARCHAR(255),
 PRO_PRICE DECIMAL(10,2),
 PRO_COM INT
);

```
INSERT INTO item_mast VALUES (101, 'Mother Board', 3200.00, 15);
INSERT INTO item_mast VALUES (102, 'Key Board', 450.00, 16);
INSERT INTO item_mast VALUES (103, 'ZIP drive', 250.00, 14);
INSERT INTO item_mast VALUES (104, 'Speaker', 550.00, 16);
INSERT INTO item_mast VALUES (105, 'Monitor', 5000.00, 11);
INSERT INTO item_mast VALUES (106, 'DVD drive', 900.00, 12);
INSERT INTO item_mast VALUES (107, 'CD drive', 800.00, 12);
INSERT INTO item_mast VALUES (108, 'Printer', 2600.00, 13);
INSERT INTO item_mast VALUES (109, 'Refill cartridge', 350.00, 13);
INSERT INTO item_mast VALUES (110, 'Mouse', 250.00, 12);
```

PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
101	Mother Board	3200.00	15
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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

```
SELECT PRO_NAME, PRO_PRICE FROM item_mast WHERE
PRO_PRICE >= 250 ORDER BY PRO_PRICE DESC, PRO_NAME ASC;
```

PRO_NAME ▲ 2	PRO_PRICE ▼ 1
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

Write a sql query to find the cheapest item. Return pro_name and pro_price.

```
SELECT PRO_NAME, PRO_PRICE FROM item_mast ORDER BY PRO_PRICE
LIMIT 1;
```

PRO_NAME	PRO_PRICE
ZIP drive	250.00

Write the sql query to calculate the average price of the items for each company.
Return average price and company code

```
SELECT AVG(PRO_PRICE), PRO_COM FROM item_mast GROUP BY PRO_COM;
```

AVG(PRO_PRICE)	PRO_COM
5000.000000	11
650.000000	12
1475.000000	13
250.000000	14
3200.000000	15
500.000000	16

Write the sql query to find the average total for all the product mention in the table

```
SELECT AVG(PRO_PRICE) AS average_price FROM item_mast;
```

average_price
1435.000000