



MODUL 5

ASSESSMENT :- SQL



































- 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

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<div> <div>↩ T ↪</div> <div>▼</div> </div>				PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
<input type="checkbox"/>	 Edit	 Copy	 Delete	101	Mother bord	3200.00	15
<input type="checkbox"/>	 Edit	 Copy	 Delete	102	Key Bord	450.00	16
<input type="checkbox"/>	 Edit	 Copy	 Delete	103	Zip drive	250.00	14
<input type="checkbox"/>	 Edit	 Copy	 Delete	104	Speaker	550.00	16
<input type="checkbox"/>	 Edit	 Copy	 Delete	105	Moniter	5000.00	11
<input type="checkbox"/>	 Edit	 Copy	 Delete	106	DVD Drive	900.00	12
<input type="checkbox"/>	 Edit	 Copy	 Delete	107	CD Drive	800.00	12
<input type="checkbox"/>	 Edit	 Copy	 Delete	108	printer	2600.00	13
<input type="checkbox"/>	 Edit	 Copy	 Delete	109	Refill Cartige	350.00	13
<input type="checkbox"/>	 Edit	 Copy	 Delete	110	Mouse	250.00	12
<div> <div>⬆</div> <div><input type="checkbox"/> Check all</div> <div>With selected:</div> <div> Edit</div> <div> Copy</div> <div> Delete</div> <div> Export</div> </div>							

Make sure to use 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.

:::--

```
SELECT pro_name, pro_price
FROM product
WHERE pro_price >= 250
ORDER BY pro_price DESC, pro_name ASC;
```

✓ Showing rows 0 - 9 (10 total, Query took 0.0037 seconds.) [pro_price: 5000.00... - 250.00...] [pro_name: MONITER... - ZIP DRIVE...]

```
SELECT pro_name, pro_price FROM products WHERE pro_price >= 250 ORDER BY pro_price DESC, pro_name ASC
```

☐ Profiling [Edit inline] [Edit]

☐ Show all | Number of rows: 25 ▾ Filter rows: Search this table Sort by key: None ▾

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← T → ▾							pro_name ▲ 2	pro_price ▼ 1
<input type="checkbox"/>		Edit		Copy		Delete	Moniter	5000.00
<input type="checkbox"/>		Edit		Copy		Delete	Mother bord	3200.00
<input type="checkbox"/>		Edit		Copy		Delete	printer	2600.00
<input type="checkbox"/>		Edit		Copy		Delete	DVD Drive	900.00
<input type="checkbox"/>		Edit		Copy		Delete	CD Drive	800.00
<input type="checkbox"/>		Edit		Copy		Delete	Speaker	550.00
<input type="checkbox"/>		Edit		Copy		Delete	Key Bord	450.00
<input type="checkbox"/>		Edit		Copy		Delete	Refill Cartige	350.00
<input type="checkbox"/>		Edit		Copy		Delete	Mouse	250.00
<input type="checkbox"/>		Edit		Copy		Delete	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 product
```

```
ORDER BY pro_price ASC
```

```
LIMIT 1;
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0012 seconds.) [pro_price: 250.00... - 250.00...]

```
SELECT pro_name, pro_price FROM products ORDER BY pro_price ASC LIMIT 1
```

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	pro_name	pro_price
<input type="checkbox"/> Edit Copy Delete Zip drive		250.00

↑ ☐ Check all With selected: Edit Copy Delete Export

- 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) AS average_price, pro_com  
FROM product  
GROUP BY pro_com;
```

✓ Showing rows 0 - 5 (6 total, Query took 0.0020 seconds.)

```
SELECT AVG(pro_price) AS average_price, pro_com FROM products GROUP BY pro_com
```

☐ Show all | Number of rows: 25 Filter rows:

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			average_price	pro_com
<input type="checkbox"/>	 Edit	 Copy	 Delete	5000.000000
<input type="checkbox"/>	 Edit	 Copy	 Delete	650.000000
<input type="checkbox"/>	 Edit	 Copy	 Delete	1475.000000
<input type="checkbox"/>	 Edit	 Copy	 Delete	250.000000
<input type="checkbox"/>	 Edit	 Copy	 Delete	3200.000000
<input type="checkbox"/>	 Edit	 Copy	 Delete	500.000000

 ☐ Check all With selected:  Edit  Copy  Delete  Export

- Write the SQL query to find the average total for all the product mention in the table.

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```
SELECT AVG(pro_price) AS average_total_price  
FROM product;
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0017 seconds.)

```
SELECT AVG(pro_price) AS average_total_price FROM products
```

☐ Show all | Number of rows: 25 ▼ Filter rows: Search this table

+ Options

average_total_price
1435.000000

☐ Show all | Number of rows: 25 ▼ Filter rows: Search this table

