Assessment Of DBMS

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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

Make sure to make your code clean kneat

First we have to create tables as per insructions

CREATE TABLE product (

  pro_id INT PRIMARY KEY,

  pro_name VARCHAR(50),

  pro_price DECIMAL(10,2),

  pro_com INT

);

Adding data as given in pdf:-

INSERT INTO product (pro_id, pro_name, pro_price, pro_com)

VALUES (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);

	pro_id	pro_name	pro_price	pro_com
Edit ‡ Copy ⊖ Delete	101	Mother Board	3200.00	15
Edit ‡ Copy ⊖ Delete	102	Key Board	450.00	16
Edit ‡ Copy ⊖ Delete	103	ZIP drive	250.00	14
Edit ‡ Copy ⊖ Delete	104	Speaker	550.00	16
Edit ‡ Copy ⊖ Delete	105	Monitor	5000.00	11
Edit ‡ Copy ⊖ Delete	106	DVD drive	900.00	12
Edit ‡ Copy ⊖ Delete	107	CD drive	800.00	12
Edit ‡ Copy ⊖ Delete	108	Printer	2600.00	13
Edit ‡ Copy ⊖ Delete	109	Refill cartridge	350.00	13
Edit ‡ Copy ⊖ Delete	110	Mouse	250.00	12

1:-

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

Server: 127.0.0.1 » Database: assesment5 » Table: product

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Show query box

✔ Showing rows 0 - 9 (10 total, Query took 0.0009 seconds.) [pro_price: **5000.00... - 250.00...**] [pro_name: **MONITOR... - ZIP DRIVE...**]

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

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

Extra options

← T →				pro_name ▲ 2	pro_price ▾ 1
☐	Edit	Copy	Delete	Monitor	5000.00
☐	Edit	Copy	Delete	Mother Board	3200.00
☐	Edit	Copy	Delete	Printer	2600.00
☐	Edit	Copy	Delete	DVD drive	900.00
☐	Edit	Copy	Delete	CD drive	800.00
☐	Edit	Copy	Delete	Speaker	550.00
☐	Edit	Copy	Delete	Key Board	450.00
☐	Edit	Copy	Delete	Refill cartridge	350.00
☐	Edit	Copy	Delete	Mouse	250.00
☐	Edit	Copy	Delete	ZIP drive	250.00

↑ ☐ Check all   With selected: Edit   Copy   Delete   Export

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

■ Console

2:-

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

Browse   Structure   SQL   Search   Insert   Export   Import   Privileges   Operations   Trac

Show query box

✔ Showing rows 0 - 1 (2 total, Query took 0.0008 seconds.)

SELECT pro_name, pro_price FROM product WHERE pro_price = (SELECT MIN(pro_price) FROM product);

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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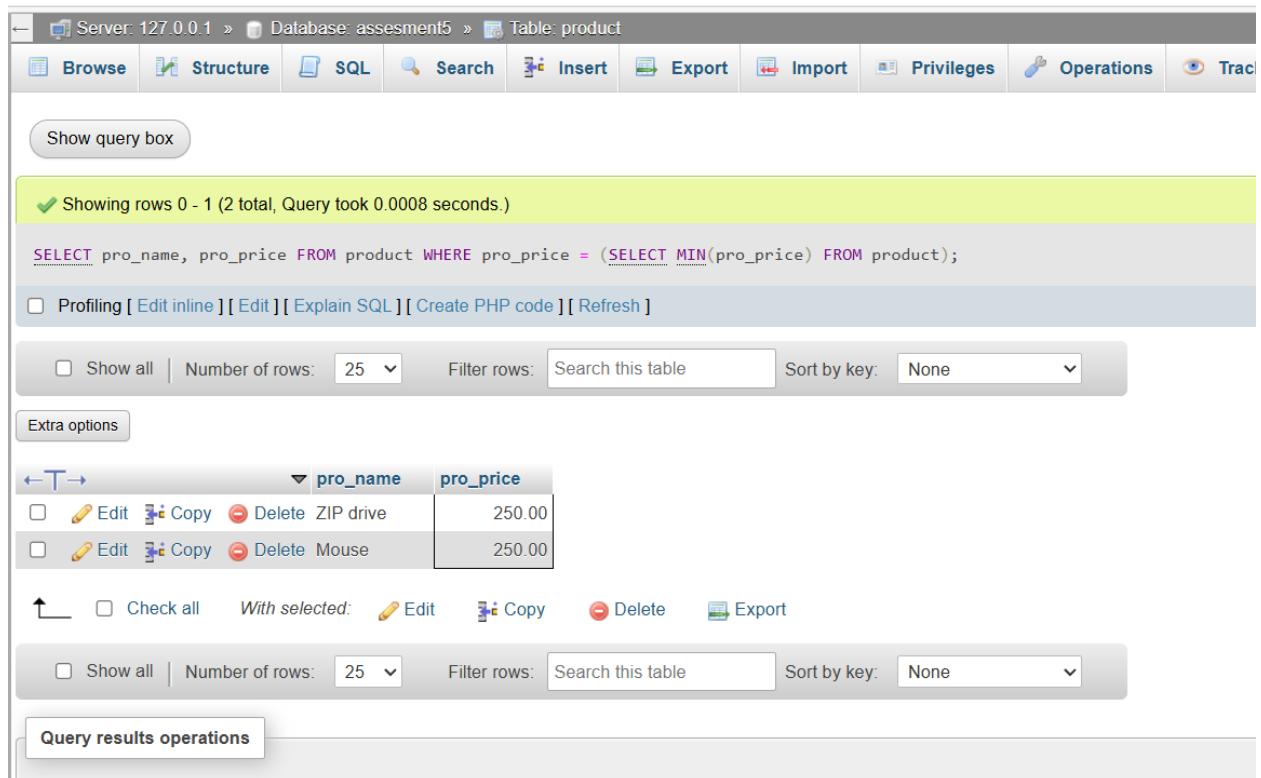
Extra options

←T→			▼ pro_name	pro_price
☐	🖉 Edit 🖿 Copy ⊖ Delete		ZIP drive	250.00
☐	🖉 Edit 🖿 Copy ⊖ Delete		Mouse	250.00

⬑ ☐ Check all   With selected: 🖉 Edit   🖿 Copy   ⊖ Delete   🖺 Export

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

Query results operations

3:-

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

```sql
SELECT pro_com, AVG(pro_price) AS avg_price FROM product GROUP BY pro_com;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

Extra options

←T→			▼ pro_com	avg_price
☐ ✏Edit ⌗ Copy ⊖ Delete			11	5000.000000
☐ ✏Edit ⌗ Copy ⊖ Delete			12	650.000000
☐ ✏Edit ⌗ Copy ⊖ Delete			13	1475.000000
☐ ✏Edit ⌗ Copy ⊖ Delete			14	250.000000
☐ ✏Edit ⌗ Copy ⊖ Delete			15	3200.000000
☐ ✏Edit ⌗ Copy ⊖ Delete			16	500.000000

↑__ ☐ Check all   With selected: ✏Edit   ⌗ Copy   ⊖ Delete   ⧉ Export

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

Query results operations

🖨 Print   ⌗ Copy to clipboard   ⧉ Export   📊 Display chart   📄 Create view

■ Console

4:-

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

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

Extra options

overall_avg_price
    1435.000000

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

Query results operations

🖨 Print   ⌗ Copy to clipboard   ⧉ Export   📊 Display chart   📄 Create view

📄 Bookmark this SQL query