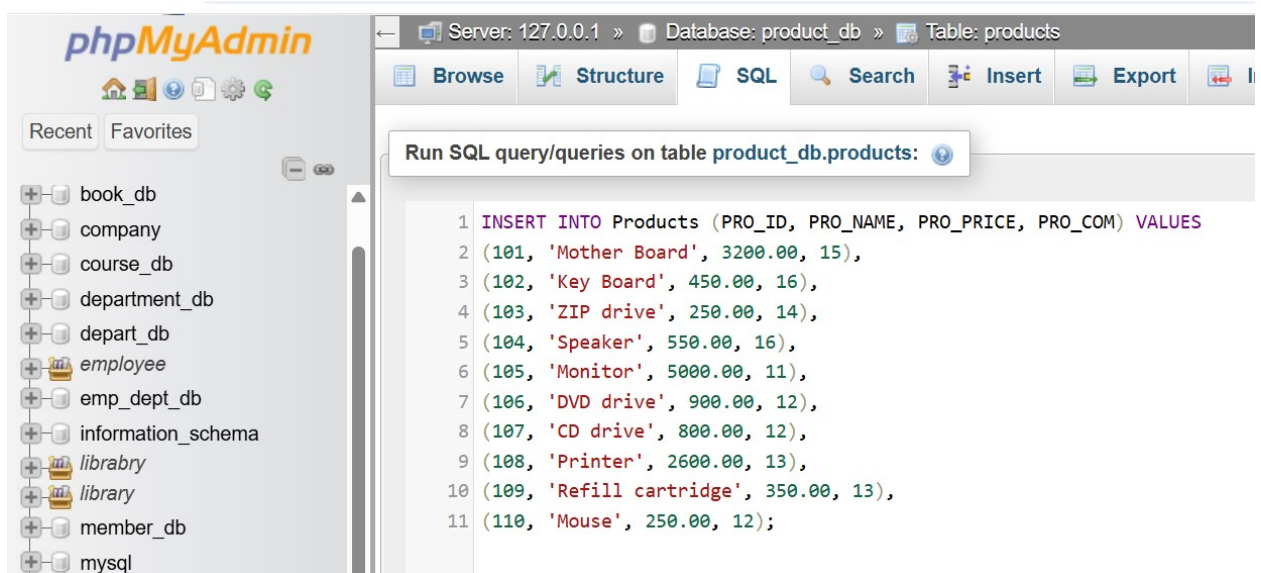
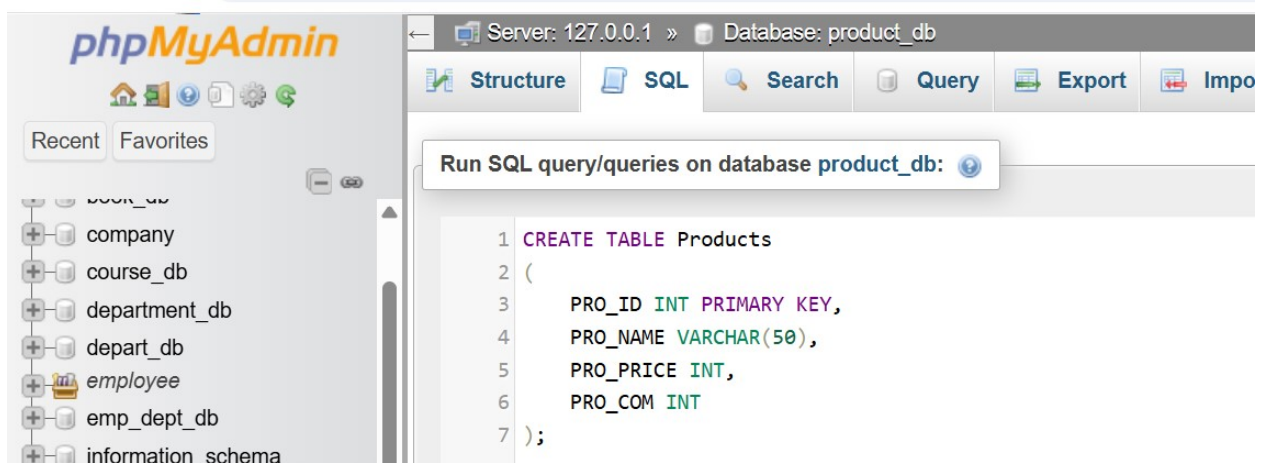


Assessment Module 4

- Write SQL query to solve the problem given below:



phpMyAdmin

Server: 127.0.0.1 » Database: product_db » Table: products

Browse Structure SQL Search Insert Export Import Priv

SELECT * FROM `products`

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

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: Non

Extra options

	PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
<input type="checkbox"/> Edit Copy Delete	101	Mother Board	3200	15
<input type="checkbox"/> Edit Copy Delete	102	Key Board	450	16
<input type="checkbox"/> Edit Copy Delete	103	ZIP drive	250	14
<input type="checkbox"/> Edit Copy Delete	104	Speaker	550	16
<input type="checkbox"/> Edit Copy Delete	105	Monitor	5000	11
<input type="checkbox"/> Edit Copy Delete	106	DVD drive	900	12
<input type="checkbox"/> Edit Copy Delete	107	CD drive	800	12
<input type="checkbox"/> Edit Copy Delete	108	Printer	2600	13
<input type="checkbox"/> Edit Copy Delete	109	Refill cartridge	350	13
<input type="checkbox"/> Edit Copy Delete	110	Mouse	250	12

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

- Write sql query to find the items whose prices are higher than or equal to 250rs. Order the result by product price in descending, then by product name in ascending. Return pro_name and pro_price.

Ans.

phpMyAdmin

Server: 127.0.0.1 » Database: product_db » Table: products

Browse Structure SQL Search Insert Export

Run SQL query/queries on table product_db.products:

```

1 SELECT PRO_NAME, PRO_PRICE
2 FROM products
3 WHERE PRO_PRICE >= 250
4 ORDER BY PRO_PRICE DESC, PRO_NAME ASC;
```

phpMyAdmin

Recent Favorites

- book_db
- company
- course_db
- department_db
- depart_db
- employee
- emp_dept_db
- information_schema
- library
- library
- member_db
- mysql
- order_db
- performance_schema
- phpmyadmin
- product_db
 - New
 - products

Server: 127.0.0.1 » Database: product_db » Table: products

Browse Structure SQL Search Insert Export

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

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

Extra options

	PRO_NAME	PRO_PRICE
<input type="checkbox"/> Edit Copy Delete	Monitor	5000
<input type="checkbox"/> Edit Copy Delete	Mother Board	3200
<input type="checkbox"/> Edit Copy Delete	Printer	2600
<input type="checkbox"/> Edit Copy Delete	DVD drive	900
<input type="checkbox"/> Edit Copy Delete	CD drive	800
<input type="checkbox"/> Edit Copy Delete	Speaker	550
<input type="checkbox"/> Edit Copy Delete	Key Board	450
<input type="checkbox"/> Edit Copy Delete	Refill cartridge	350
<input type="checkbox"/> Edit Copy Delete	Mouse	250
<input type="checkbox"/> Edit Copy Delete	ZIP drive	250

↑ ☐ Check all With selected: Edit Copy Delete Export

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

Ans.

phpMyAdmin

Recent Favorites

- book_db
- company
- course_db
- department_db
- depart_db

Server: 127.0.0.1 » Database: product_db » Table: products

Browse Structure SQL Search Insert Export

Run SQL query/queries on table product_db.products:

```

1 SELECT PRO_NAME, PRO_PRICE
2 FROM products
3 WHERE PRO_PRICE = (SELECT MIN(PRO_PRICE) FROM products);

```

phpMyAdmin

Recent Favorites

- book_db
- company
- course_db
- department_db
- depart_db
- employee
- emp_dept_db
- information_schema
- library
- library
- member_db
- mysql
- order_db

Server: 127.0.0.1 » Database: product_db » Table: products

Browse Structure SQL Search Insert Export Import Privileges

Showing rows 0 - 1 (2 total, Query took 0.0026 seconds.)

```
SELECT PRO_NAME, PRO_PRICE FROM products WHERE PRO_PRICE = (SELECT MIN(PRO_PRICE) FROM products);
```

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

	PRO_NAME	PRO_PRICE
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	ZIP drive	250
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	Mouse	250

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

Ans.

phpMyAdmin

Recent Favorites

- book_db
- company
- course_db
- department_db

Server: 127.0.0.1 » Database: product_db » Table: products

Browse Structure SQL Search Insert Export Import Privileges

Run SQL query/queries on table product_db.products:

```
1 SELECT PRO_COM, AVG(PRO_PRICE) AS AVERAGE_PRICE
2 FROM products
3 GROUP BY PRO_COM;
```

phpMyAdmin

Server: 127.0.0.1 » Database: product_db » Table: products

Showing rows 0 - 5 (6 total, Query took 0.0368 seconds.)

```
SELECT PRO_COM, AVG(PRO_PRICE) AS AVERAGE_PRICE FROM products 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

	PRO_COM	AVERAGE_PRICE
<input type="checkbox"/> Edit Copy Delete	11	5000.0000
<input type="checkbox"/> Edit Copy Delete	12	650.0000
<input type="checkbox"/> Edit Copy Delete	13	1475.0000
<input type="checkbox"/> Edit Copy Delete	14	250.0000
<input type="checkbox"/> Edit Copy Delete	15	3200.0000
<input type="checkbox"/> Edit Copy Delete	16	500.0000

Check all With selected: Edit Copy Delete Export

• Write the sql query to find the average total for all the products mentioned in the table.

Ans.

phpMyAdmin

Server: 127.0.0.1 » Database: product_db » Table: products

Run SQL query/queries on table product_db.products:

```
1 SELECT AVG(PRO_PRICE) AS TOTAL_AVERAGE_PRICE
2 FROM products;
```


phpMyAdmin

Recent

Favorites

+

book_db

+

company

+

course_db

+

department_db

+

depart_db

+

employee

+

emp_dept_db

+

information_schema

+

librabry

+

library

+

member_db

+

mysql

+

order_db

+

performance_schema

+

phpmyadmin

-

product_db

- New
- products

Server: 127.0.0.1 » Database: product_db » Table: products

Browse

Structure

SQL

Search

Insert

Export

Import

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features

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

SELECT

AVG

(

PRO_PRICE

)

AS

TOTAL_AVERAGE_PRICE

FROM

products

;

☐ Profiling

[Edit inline]

[Edit]

[Explain SQL]

[Create PHP code]

[Refresh]

☐ Show all

|

Number of rows: 25

Filter rows: Search this table

Extra options

TOTAL_AVERAGE_PRICE

1435.0000

☐ Show all

|

Number of rows: 25

Filter rows: Search this table

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view