Assessment- Database

Write SQL query to solve the problem given below:

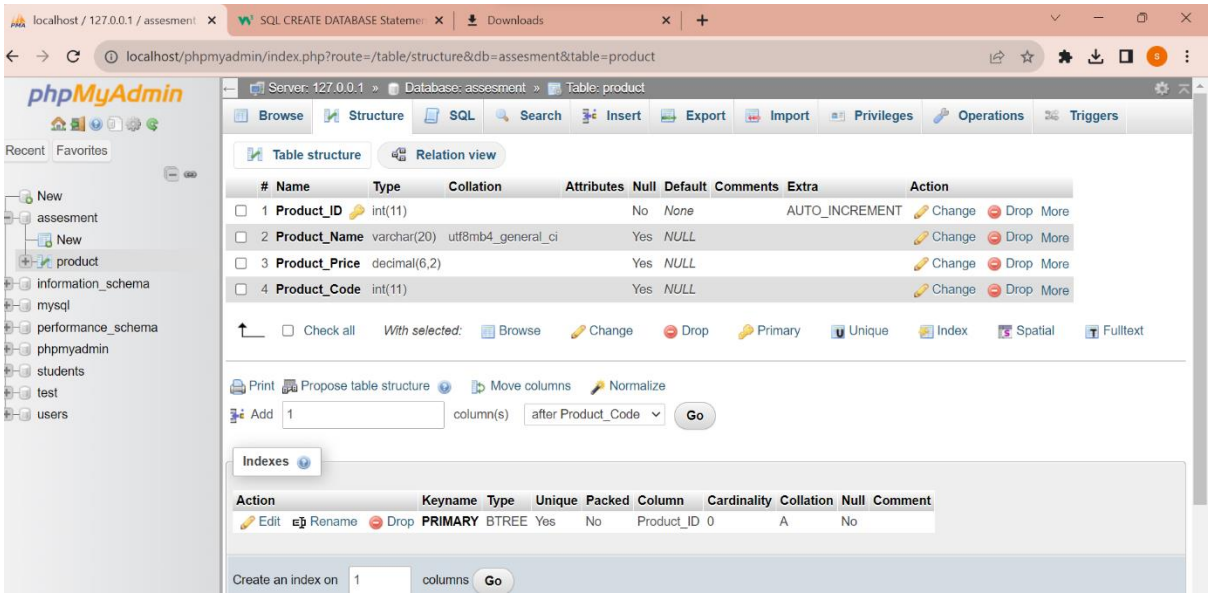
- There given a table named as product.
- The products are the computer components like keyboard, motherboard, monitor, speaker, etc.
- The product table contains attributes like product id, product name, price and product code.
- Example of such table is given below:

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

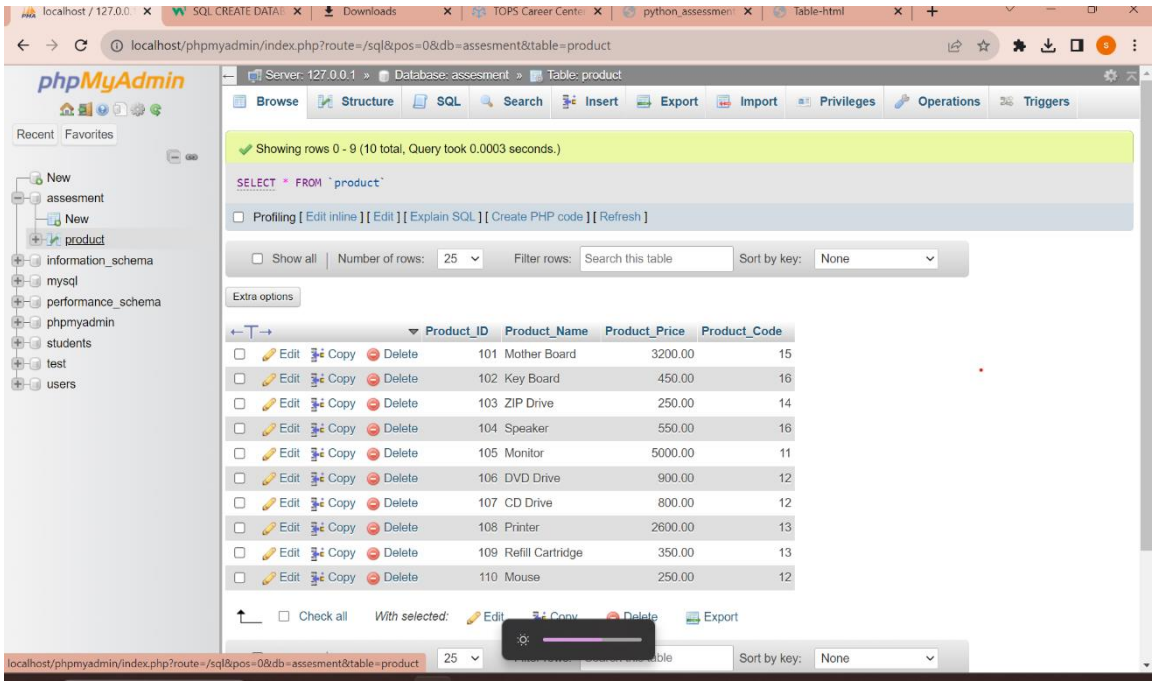
ANS:

```
CREATE TABLE product
(
Product_ID INT PRIMARY KEY AUTO_INCREMENT,
Product_Name VARCHAR (20),
Product_Price DECIMAL (6,2)
Product_Code INT
```

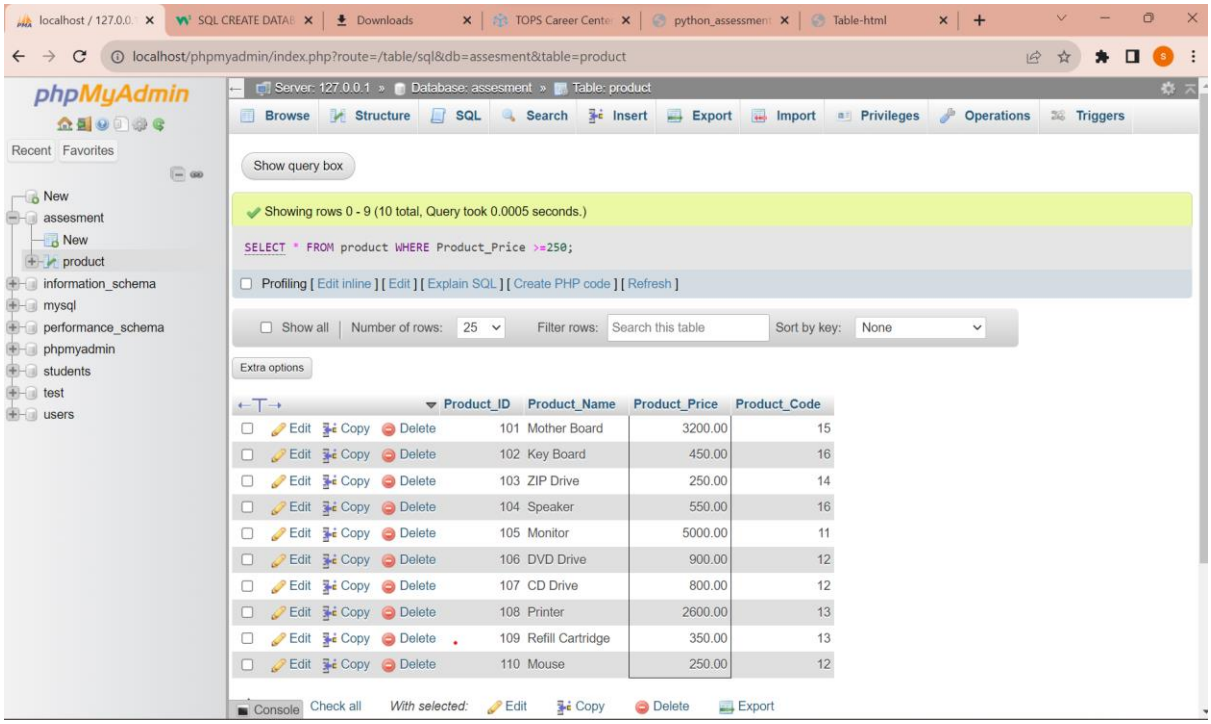
);



1. `ALTER TABLE Persons AUTO_INCREMENT=101;`
2. INSERT INTO product (ProductName, Product_Price, Product_Code) VALUES ('Mother Board', '3200.00', '15'),('Key Board', '450.00', '16'), ('ZIP Drive', '250.00', '14'), ('Speaker', '550.00', '16'), ('Monitor', '5000.00', '11'), ('DVD Drive', '900.00', '12'), ('CD Drive', '800.00', '12'), ('Printer', '2600.00', '13'), ('Refill Cartridge', '350.00', '13'), ('Mouse', '250.00', '12');
3. SELECT * FROM product WHERE Product_Price >=250;_



4. SELECT * FROM product WHERE Product Price >=250;

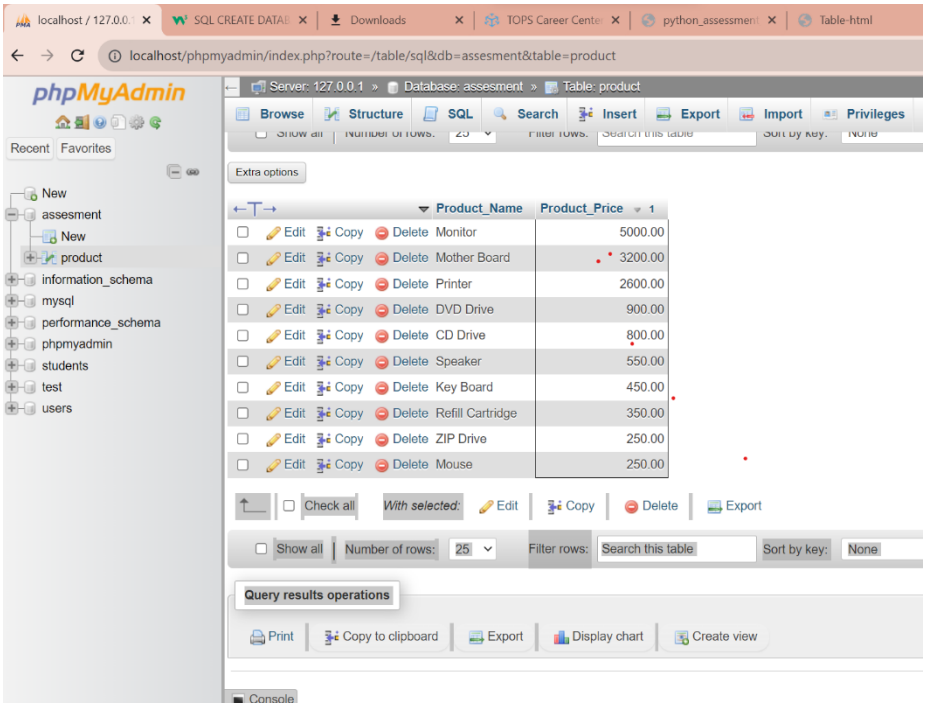


5. SELECT Product_Name, Product_Price

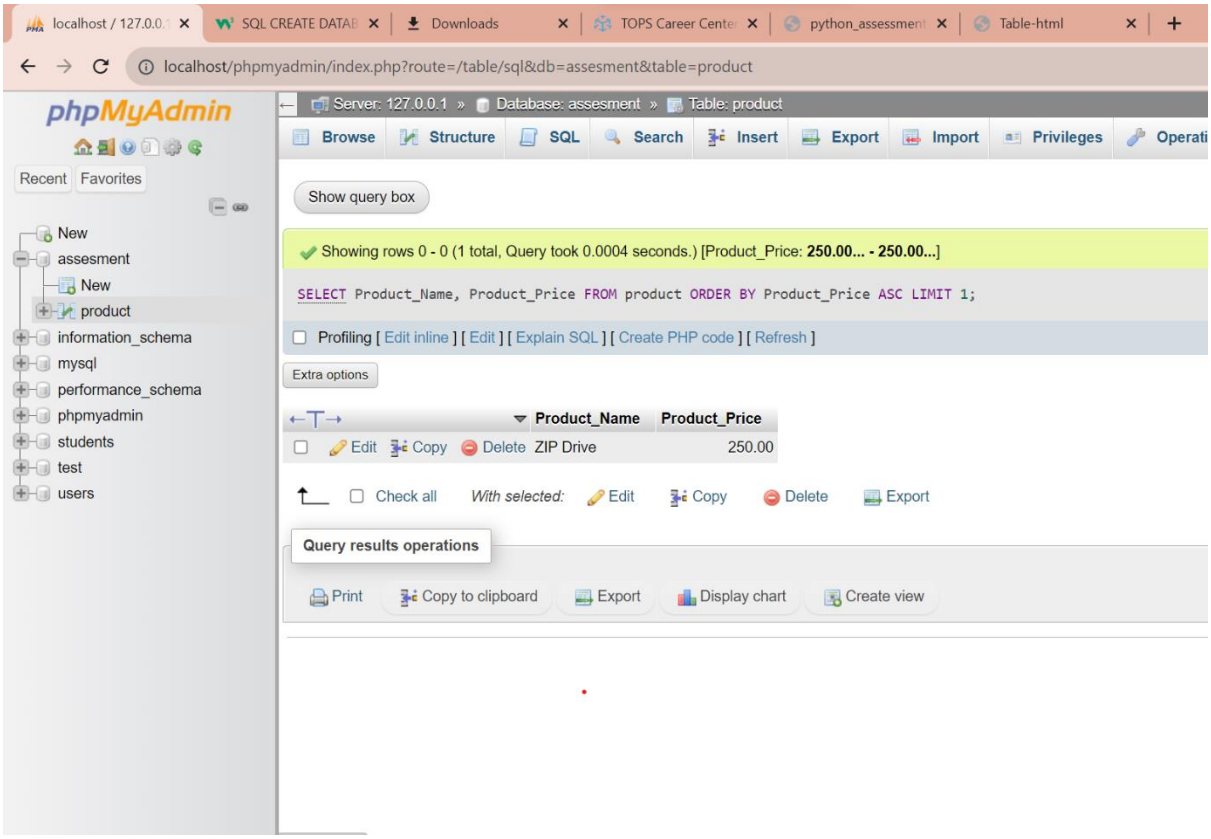
   FROM product

   WHERE Product_Price >= 250.00

   ORDER BY Product_Price DESC;



6. SELECT Product_Name, Product_Price
   FROM product
   ORDER BY Product_Price ASC
   LIMIT 1;



7. SELECT AVG(Product_Price) FROM product;