**Assessement – 4**

**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..**

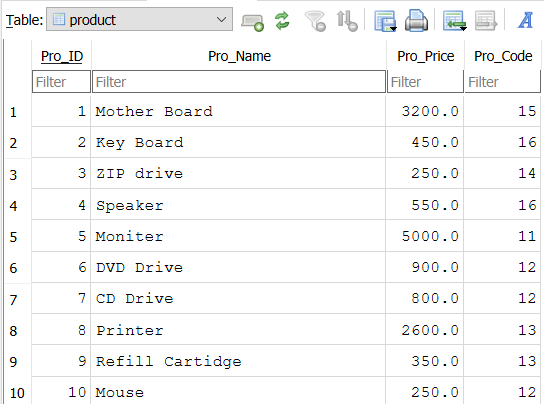
**The product table contains attributes like product id, product name, price and product code.**

**Ans.** **CREATE TABLE product (Pro\_ID INTEGER PRIMARY KEY AUTOINCREMENT, Pro\_Name TEXT, Pro\_Price REAL, Pro\_Code INTEGER);**

**INSERT INTO product (Pro\_Name, Pro\_Price, Pro\_Code)VALUES**

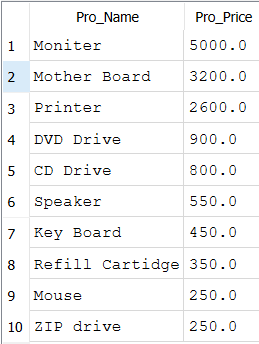
**("Mother Board", 3200, 15);**

**("Key Board", 450, 16), ("ZIP drive", 250, 14), ("Speaker", 550, 16), ("Moniter", 5000, 11), ("DVD Drive", 900, 12), ("CD Drive", 800, 12), ("Printer", 2600, 13), ("Refill Cartidge", 350, 13), ("Mouse", 250, 12);**

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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**

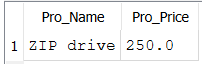
**Ans. SELECT PRO\_NAME, PRO\_PRICE FROM product WHERE PRO\_PRICE >= 250 ORDER BY PRO\_PRICE DESC, PRO\_NAME ASC;**

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* **Write a sql query to find the cheapest item. Return pro\_name and pro\_price.**

**Ans.**

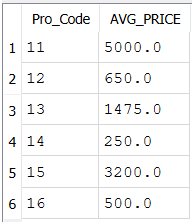
**SELECT PRO\_NAME, PRO\_PRICE FROM product ORDER BY PRO\_PRICE ASC LIMIT 1;**

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

**Ans.**

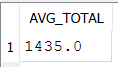
**SELECT Pro\_Code, AVG(PRO\_PRICE) AS AVG\_PRICE FROM product GROUP BY Pro\_Code;**

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

**Ans.**

**SELECT AVG(PRO\_PRICE) AS AVG\_TOTAL FROM product;**

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