DBMS PRCTICAL ASSIGNMENT- 1
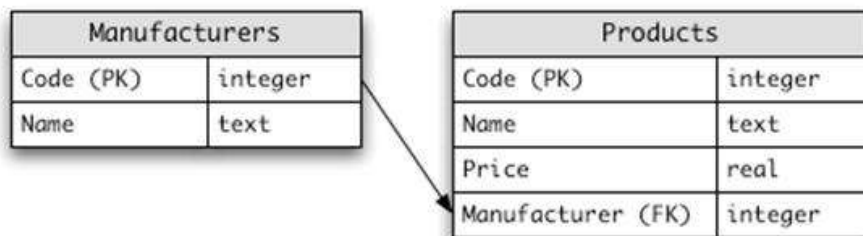
Design the database with the following schema, and write the query for the following given problem statements.

Specify the query output in the form of snapshots.

Manufacturers	
Code (PK)	integer
Name	text

Products	
Code (PK)	integer
Name	text
Price	real
Manufacturer (FK)	integer

QUERY on DATABASE

1 Select the names of all the products in the store.

2 Select the names and the prices of all the products in the store.

3 Select the name of the products with a price less than or equal to 200.

4 Select all the products with a price between 60 and 120.

5 Select the name and price in cents (i.e., the price must be multiplied by 100).

6 Compute the average price of all the products.

7 Compute the average price of all products with manufacturer code equal to 2.

8 Compute the number of products with a price larger than or equal to 180.

9 Select the name and price of all products with a price larger than or equal to $180, and sort first by price (in descending order), and then by name (in ascending order).

10 Select all the data from the products, including all the data for each product's manufacturer.

11 Select the product name, price, and manufacturer name of all the products.

12 Select the average price of each manufacturer's products, showing only the manufacturer's code.

13 Select the average price of each manufacturer's products, showing the manufacturer's name.

14 Select the names of manufacturer whose products have an average price larger than or equal to $150.

15 Select the name and price of the cheapest product.