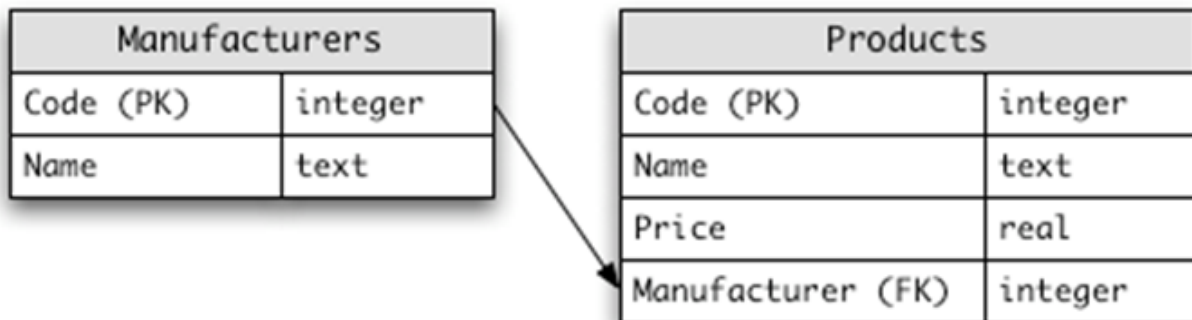


## Exercitiu baze de date:

**Task1:** Create a database named 'computerstore'

**Task2:** Create the tables based on the below schema:



**Task3:** Insert the following data into the tables

Code	Name
1	Sony
2	Asus
3	Hewlett-Packard
4	Lenovo
5	Fujitsu
6	SanDisk

#### Products

Code	Name	Price	Manufacturer
1	Hard Drive	64.89	5
2	Memory Card	17.99	6
3	Laptop charger	42.29	4
4	USB Flash drive	10	6
5	Monitor	219.99	1
6	HDMI cable	18.29	2
7	Gaming laptop	2079.59	2
8	Printer	96.32	3
9	Toner cartridge	59	3
10	Computer case	158.92	2

INSERT INTO manufacturers(code, name) VALUES

(1, 'Sony'),  
 (2, 'Asus'),  
 (3, 'Hewlett-Packard'),  
 (4, 'Lenovo'),  
 (5, 'Fujitsu'),  
 (6, 'SanDisk');

INSERT INTO products (code, name, price, manufacturer) VALUES

(1, 'Hard drive', 64.89, 5),  
 (2, 'Memory Card', 17.99, 6),  
 (3, 'Laptop charger', 42.29, 4),  
 (4, 'USB Flash Drive', 10, 6),  
 (5, 'Monitor', 219.99, 1),  
 (6, 'HDMI cable', 18.29, 2),  
 (7, 'Gaming laptop', 2079.59, 2),  
 (8, 'Printer', 96.32, 3),  
 (9, 'Toner cartridge', 59, 3),  
 (10, 'Computer case', 158.92, 2);

**Task4:** Check that all the records were inserted in the Manufacturers table

**Task5:** Check that all the records were inserted in the Products table

**Task6:** Select the names of all the products in the store.

**Task7:** Select the names and the prices of all the products in the store.

**Task8:** Select the name of the products with a price less than or equal to \$200

**Task9:** Select all the products with a price between \$60 and \$120

**Task10:** Select the name and price in cents (i.e., the price must be multiplied by 100).

**Task11:** Compute the average price of all the products

**Task11.2:** Compute the average price of all products where the manufacturer is Asus

**Task12:** Compute the average price of all products with manufacturer code equal to 2.

**Task13:** Compute the number of products with a price larger than or equal to \$180

**Task14:** 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)

**Task15:** Select all the data from the products, including all the data for each product's manufacturer

**Task16:** Select the product name, price, and manufacturer name of all the products

**Task17:** Select the average price of each manufacturer's products, showing only the manufacturer's code

**Task18:** Select the average price of each manufacturer's products, showing the manufacturer's name

**Task19:** Select the name and price of the cheapest product.

**Task20:** Update the name of product 8 to "Laser Printer"

**Task21:** Apply a 10% discount to all products.

**Task22:** Apply a 15% discount to all products with a price larger than or equal to \$120

**Task23:** Select the product with the smallest price where the manufacturer is 2

**Task24:** Select all products where manufacturers are Sony, Asus and Lenovo