Quiz #1

Please write SQL queries for following tasks.

1. Create tables following tables «products» and «manufacturers»:

code [PK] integer		name character varying (255)	price numeric	manufacturer integer
1	1	Hard drive	240	5
2	2	Memory	120	6
3	3	ZIP drive	150	4
4	4	Floppy disk	5	6
5	5	Monitor	240	1
6	6	DVD drive	180	2
7	7	CD drive	90	2
8	8	Printer	270	3
9	9	Toner cartridge	66	3
10	10	DVD burner	180	2

code [PK] integer		name character varying (255)
1	1	Sony
2	2	Creative Labs
3	3	Hewlett-Packard
4	4	Iomega
5	5	Fujitsu
6	6	Winchester

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

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

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

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

6. 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).

7. Select the average price of each manufacturer's products, showing only the manufacturer's code. (Use *avg(price)* expression)

8. Select the codes of manufacturer whose products have an average price larger than or equal to $150. (Use *avg(price)* expression)

9. Select the name and price of the cheapest product. (Using ORDER BY clause)

10. Add a new product: Loudspeakers, $70, manufacturer 2.

11. Update the name of product 8 to "Laser Printer».

12. Apply a 10% discount to all products.

13. Apply a 10% discount to all products with a price larger than or equal to $120.