

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 only one product from each manufacturer.
3. Select the codes and the manufacturers of first 3 products in the store.
4. Select the names and the prices of the products with a price larger than or equal to \$200.
5. Select all the products from the 'Sony' company.
6. Select the name and price of all products with a price less than or equal to \$110, and sort first by price (in increasing order), and then by manufacturer (in decreasing order).

7. Select the number of products from each manufacturer products, showing the manufacturer's code and number of products. (Use count() expression)
8. Delete the manufacturer which has less than 1 products. (Use count() expression)
9. Increase the price of the third cheapest product by 10\$.
Statement should return the name and price of the product.
10. Add default value to price column as 0\$
11. Add a new product: Loudspeakers, manufacturer 2 and price should be default value.
12. Apply a 20% discount to all products from the 'Fujitsu' company.
13. Apply a 10% discount to all products with a price between 50\$ and \$200.