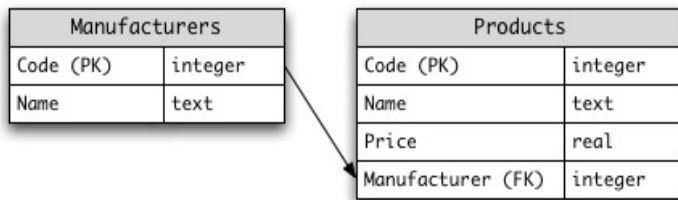


# Schema Diagram :-

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CREATE TABLE Manufacturers with following data types:-

Code INTEGER,

Name VARCHAR(255) NOT NULL,

CREATE TABLE Products with following data types:-

Code INTEGER,

Name VARCHAR(255) NOT NULL ,

Price DECIMAL NOT NULL ,

Manufacturer INTEGER NOT NULL,

INSERT following data INTO Manufacturers table :-

1,'Sony'

2,'Creative Labs'

3,'Hewlett-Packard'

4,'Iomega'

5,'Fujitsu'

6,'Winchester'

INSERT following data INTO Products table

1,'Hard drive',240,5

2,'Memory',120,6

3,'ZIP drive',150,4

4,'Floppy disk',5,6

5,'Monitor',240,1

6,'DVD drive',180,2

7,'CD drive',90,2

8,'Printer',270,3

9,'Toner cartridge',66,3

10,'DVD burner',180,2

# SQL QUESTIONS :-

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- 1.1 Select the names of all the products in the store.
- 1.2 Select the names and the prices of all the products in the store.
- 1.3 Select the name of the products with a price less than or equal to \$200.
- 1.4 Select all the products with a price between \$60 and \$120.
- 1.5 Select the name and price in cents (i.e., the price must be multiplied by 100).
- 1.6 Compute the average price of all the products.
- 1.7 Compute the average price of all products with manufacturer code equal to 2.
- 1.8 Compute the number of products with a price larger than or equal to \$180.
- 1.9 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).
- 1.10 Select all the data from the products, including all the data for each product's manufacturer.
- 1.11 Select the product name, price, and manufacturer name of all the products.
- 1.12 Select the average price of each manufacturer's products, showing only the manufacturer's code.
- 1.13 Select the average price of each manufacturer's products, showing the manufacturer's name.
- 1.14 Select the names of manufacturer whose products have an average price larger than or equal to \$150.
- 1.15 Select the name and price of the cheapest product.
- 1.16 Select the name of each manufacturer along with the name and price of its most expensive product.
- 1.17 Add a new product: Loudspeakers, \$70, manufacturer 2.
- 1.18 Update the name of product 8 to "Laser Printer".
- 1.19 Apply a 10% discount to all products.
- 1.20 Apply a 10% discount to all products with a price larger than or equal to \$120.