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| CREATE TABLE Manufacturers ( |
|  | Code INTEGER, |
|  | Name VARCHAR(255) NOT NULL, |
|  | PRIMARY KEY (Code) |
|  | ); |
|  |  |
|  | CREATE TABLE Products ( |
|  | Code INTEGER, |
|  | Name VARCHAR(255) NOT NULL , |
|  | Price DECIMAL NOT NULL , |
|  | Manufacturer INTEGER NOT NULL, |
|  | PRIMARY KEY (Code), |
|  | FOREIGN KEY (Manufacturer) REFERENCES Manufacturers(Code) |
|  | ) ENGINE=INNODB; |
|  |  |
|  | INSERT INTO Manufacturers(Code,Name) VALUES(1,'Sony'); |
|  | INSERT INTO Manufacturers(Code,Name) VALUES(2,'Creative Labs'); |
|  | INSERT INTO Manufacturers(Code,Name) VALUES(3,'Hewlett-Packard'); |
|  | INSERT INTO Manufacturers(Code,Name) VALUES(4,'Iomega'); |
|  | INSERT INTO Manufacturers(Code,Name) VALUES(5,'Fujitsu'); |
|  | INSERT INTO Manufacturers(Code,Name) VALUES(6,'Winchester'); |
|  |  |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(1,'Hard drive',240,5); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(2,'Memory',120,6); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(3,'ZIP drive',150,4); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(4,'Floppy disk',5,6); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(5,'Monitor',240,1); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(6,'DVD drive',180,2); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(7,'CD drive',90,2); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(8,'Printer',270,3); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(9,'Toner cartridge',66,3); |
|  | INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(10,'DVD burner',180,2); |
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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. |