```
CREATE
TABLE
Manufactu
rers (
             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);
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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);
```

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