1/

.CREATE DATABASE boutique;

2/

.USE boutique,

.CREATE TABLE Manufacturers(Code INT NOT NULL PRIMARY KEY, Name VARCHAR(255))

. CREATE TABLE Products (

 Code INT,

 Name VARCHAR(255) NOT NULL ,

 Price DECIMAL NOT NULL ,

 Manufacturer INT NOT NULL,

 PRIMARY KEY (Code),

 FOREIGN KEY (Manufacturer) REFERENCES Manufacturers(Code)

) ;

3/

. INSERT INTO manufacturers(Code, Name) VALUES(1,'Sony'),(2,'Creative Labs'),(3,'Hewlett-Packard'),(4,'Iomega'),(5,'Fujitsu'),(6,'Winchester');

4/

. INSERT INTO products(Code,Name,Price,Manufacturer) VALUES (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);

5/

. SELECT Name FROM products

6/

. SELECT Name, Price FROM products;

7/

. SELECT Name FROM products where Price <= 200;

8/

. SELECT*FROM products where Price >= 60 && Price <= 120

9/

. SELECT Name, Price*100 FROM products

10/

. SELECT AVG(Price) FROM products

11/

. SELECT AVG(Price) FROM products where Code = 2

12/

. SELECT COUNT(*) FROM products where Price >= 180

13/

. SELECT Name, Price FROM products where Price >= 180 ORDER BY Price DESC, Name ASC

14/

.Select a.*, b.name from products a join Manufacturers b on(a.manufacturer = b.code)

15/

. SELECT Products.Name, Price, Manufacturers.Name FROM Products INNER JOIN Manufacturers ON Products.Manufacturer = Manufacturers.Code

16/

. SELECT AVG(Price), Manufacturer

   FROM Products

   GROUP BY Manufacturer;

17/

SELECT AVG(Price), Manufacturers.Name

  FROM Products, Manufacturers

  WHERE Products.Manufacturer = Manufacturers.Code

  GROUP BY Manufacturers.Name;

18/

.SELECT AVG(Price), Manufacturers.Name

FROM Products, Manufacturers

WHERE Products.Manufacturer = Manufacturers.Code GROUP BY Manufacturers.Name HAVING AVG(Price) >= 150

19/

```
select name, price from Products
where price = (
select min(price)
from products);
```

20/

```
  SELECT a.Name, a.Price, b.Name

  FROM Products a, Manufacturers b

  WHERE a.Manufacturer = b.Code

   AND a.Price =

   (

    SELECT MAX(a.Price)

     FROM Products a

     WHERE a.Manufacturer = b.Code

   );
```

21/

```
. INSERT INTO products(Code, Name, Price, Manufacturer)

VALUES(11, 'Loudspeakers', 70, 2)
```

22/

```
. UPDATE products SET Name = 'laser Prin' where code = 8
```

23/

```
. UPDATE Products

  SET Price = Price - (Price * 0.1);
```

24/

```
. UPDATE Products

  SET Price = Price - (Price * 0.1)

  WHERE Price >= 120;
```