**Day-9 (Assignment-2)**

# **Q1) Select the names of all the products in the store.**

**SELECT name FROM products;**

# **Q2) Select the names and the prices of all the products in the store.**

**SELECT name , price FROM products;**

# **Q3) Select the names and the prices of all the products in the store.**

**SELECT name FROM products WHERE price <= 200;**

# **Q4) Select all the products with a price between $60 and $120.**

**SELECT \* FROM products WHERE price BETWEEN 60 AND 120;**

# **Q5) Select the name and price in cents (i.e., the price must be multiplied by 100).**

**SELECT name, price\*100 FROM products;**

# **Q6) select avg(price) from products;**

**SELECT AVG(price) FROM products;**

# **Q7) Compute the average price of all products with manufacturer code equal to 2.**

**SELECT AVG(price) FROM products WHERE Manufacturer = 2;**

# **Q8) Compute the number of products with a price larger than or equal to $180.**

**SELECT count(\*) FROM products**

**WHERE price>=180;**

# **Q9) 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).**

**SELECT name , price FROM products**

**WHERE price>=180**

**ORDER BY price DESC, name ASC;**

# **Q10) Select all the data from the products, including all the data for each product's manufacturer.**

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

# **Q11) Select the product name, price, and manufacturer name of all the products.**

**SELECT Products.name , Products.price , Manufacturers.name from Products INNER JOIN manufacturers**

**ON Products.manufacturer = Manufacturers.code;**

# **Q12) Select the average price of each manufacturer's products, showing only the manufacturer's code.**

**SELECT AVG(Price), Manufacturer**

**FROM Products**

**GROUP BY Manufacturer;**

# **Q13) Select the average price of each manufacturer's products, showing the manufacturer's name.**

**SELECT AVG(products.price) , Manufacturers.name FROM products**

**INNER JOIN Manufacturers**

**ON Products.manufacturer = Manufacturers.code**

**GROUP BY Manufacturers.name;**

# **Q14) Select the names of manufacturer whose products have an average price larger than or equal to $150.**

**SELECT AVG(Price), Manufacturers.Name**

**FROM Products, Manufacturers**

**WHERE Products.Manufacturer = Manufacturers.Code**

**GROUP BY Manufacturers.Name**

**HAVING AVG(Price) >= 150;**

# **Q15) Select the name and price of the cheapest product.**

**SELECT name, price FROM Products**

**WHERE price = (**

**SELECT MIN(price)**

**FROM products);**

# **Q16) Select the name of each manufacturer along with the name and price of its most expensive product.**

**SELECT p.name , p.price , m.name FROM products p INNER JOIN**

**manufacturers m**

**ON(p.manufacturer = m.code)**

**WHERE p.price = (**

**SELECT MAX(p2.price) FROM products p2**

**WHERE  p2.manufacturer  =  p.manufacturer**

**)**

# **Q17) Add a new product: Loudspeakers, $70, manufacturer 2.**

**INSERT INTO products VALUES(11 , ‘Loudspeakers’ , 70 , 2);**

# **Q18) Update the name of product 8 to "Laser Printer".**

**UPDATE products SET name = ‘Laser Printer’ WHERE code = 8;**

# **Q19) Apply a 10% discount to all products.**

**UPDATE products**

**Set price = price \* 0.9;**

# **Q20) Apply a 10% discount to all products with a price larger than or equal to $120.**

**update products**

**set price = price \* 0.9**

**where price >= 120;**