**CREATE TABLE IF NOT EXISTS products (**

**productID INT ,**

**productCode CHAR(3) ,**

**name VARCHAR(30) ,**

**quantity INT ,**

**price INT );**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **productID INT** | **productCode CHAR(3)** | **name VARCHAR(30)** | **quantity INT** | **price INT** |
| 1001 | PEN | Pen Red | 5000 | 1.23 |
| 1002 | PEN | Pen Blue | 8000 | 1.25 |
| 1003 | PEN | Pen Black | 2000 | 1.25 |
| 1004 | PEC | Pencil 2B | 10000 | 0.48 |
| 1005 | PEC | Pencil 2H | 8000 | 0.49 |

**DESCRIBE products;**

**INSERT INTO products VALUES (1001, 'PEN', 'Pen Red', 5000, 1.23);**

**DELETE FROM products WHERE productID = 1006;**

**SELECT name, price FROM products;**

SELECT name, price FROM products **WHERE price < 1.0**;

SELECT name, price FROM products **WHERE productCode = 'PEN'**;

SELECT name, price FROM products **WHERE name LIKE 'PENCIL%'**;

SELECT name, price FROM products **WHERE name LIKE 'P\_\_ %'**;

SELECT \* FROM products **WHERE quantity >= 5000 AND name LIKE 'Pen %'**;

SELECT \* FROM products **WHERE name IN ('Pen Red', 'Pen Black')**;

SELECT \* FROM products **WHERE (price BETWEEN 1.0 AND 2.0) AND (quantity BETWEEN 1000 AND 2000)**;

SELECT \* FROM products WHERE name LIKE 'Pen %' **ORDER BY price DESC**;

SELECT \* FROM products ORDER BY price **LIMIT 2**;

SELECT **productID AS ID**, **productCode AS Code**,**name AS Description** FROM products;

SELECT **CONCAT(productCode, ' - ', name) AS `Product Description`**, price FROM products;

**SELECT price FROM products;**

SELECT **DISTINCT price** AS `Distinct Price` FROM products**;**

**SELECT \* FROM products GROUP BY productCode;**

SELECT COUNT(\*) AS `Count` FROM products**;**

SELECT productCode, COUNT(\*) FROM products GROUP BY productCode;

SELECT MAX(price), MIN(price), AVG(price), STD(price), SUM(quantity)

FROM products;

**UPDATE products SET price = price \* 1.1;**

**UPDATE products SET quantity = quantity + 50, price = 1.23 WHERE name = 'Pen Red';**

**DELETE FROM products WHERE name LIKE 'Pencil%';**