**KIET GROUP OF INSTITUTIONS**

**DEPARTMENT OF COMPUTER APPLICATIONS**

**LAB ASSIGNMENT 3**

**DBMS Lab (KCA – 252)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table Name: | | | PRODUCT\_MASTER | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Description: | | | Used to store product information. | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Column Name** | |  |  |  |  |  | **Data Type** | |  |  |  |  |  |  | **Size** | | | |  |  |  |  |  |  |  |
| **PRODUCTNO** | | |  |  |  |  |  | VARCHAR2 | |  |  |  |  |  | 6 | | |  |  |  |  |  |  |  |  |  |
| **DESCRIPTION** | | |  |  |  |  |  | VARCHAR2 | |  |  |  |  |  | 15 | | | |  |  |  |  |  |  |  |  |
| **PROFITPERCENT** | | | | | | |  | NUMBER | |  |  |  |  |  | 4,2 | | | | |  |  |  |  |  |  |  |
| **UNITMEASURE** | | |  |  |  |  |  | VARCHAR2 | |  |  |  |  |  | 10 | | | |  |  |  |  |  |  |  |  |
| **QTYONHAND** | | |  |  |  |  |  | NUMBER | |  |  |  |  |  | 8 | | |  |  |  |  |  |  |  |  |  |
| **REORDERLVL** | | |  |  |  |  |  | NUMBER | |  |  |  |  |  | 8,2 | | | | |  |  |  |  |  |  |  |
| **SELLPRICE** | | |  |  |  |  |  | NUMBER | |  |  |  |  |  | 8,2 | | | | |  |  |  |  |  |  |  |
| **COSTPRICE** | | |  |  |  |  |  | NUMBER | |  |  |  |  |  | 8,2 | | | | |  |  |  |  |  |  |  |
| Data for PRODUCT\_MASTER table: | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |  |  |  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |
|  | **PRODUCTNO** |  |  | **DESCRIPTION** |  |  |  | **PROFIT** |  |  | **UNIT** |  |  | **QTYON** | | |  |  | **REORDER** |  |  | **SELL** |  |  | **COST** |  |
|  |  |  |  |  |  |  | **PERCENT** | |  |  | **MEASURE** |  |  | **HAND** | | |  |  | **LVL** |  |  | **PRICE** |  |  | **PRICE** |  |
| P00001 | | |  | 1.44floppies | |  | 5 | |  |  | Piece |  | 200 | |  |  |  |  | 50 |  | 350 | |  | 250 | |  |
| P03453 | | |  | Monitors | |  | 6 | |  |  | Piece |  | 150 | |  |  |  |  | 50 |  | 500 | |  | 350 | |  |
| P06734 | | |  | Mouse | |  | 5 | |  |  | Piece |  | 100 | |  |  |  |  | 20 |  | 600 | |  | 450 | |  |
| P07865 | | |  | 1.22floppies | |  | 5 | |  |  | Piece |  | 100 | |  |  |  |  | 20 |  | 750 | |  | 500 | |  |
| P07868 | | |  | Keyboards | |  | 2 | |  |  | Piece |  | 150 | |  |  |  |  | 50 |  | 850 | |  | 550 | |  |
| P07885 | | |  | CDDrive | |  | 2.5 | |  |  | Piece |  | 80 | |  |  |  |  | 30 |  | 700 | |  | 450 | |  |
| P07965 | | |  | 540 HDD | |  | 4 | |  |  | Piece |  | 100 | |  |  |  |  | 40 |  | 350 | |  | 250 | |  |
| P07975 | | |  | 1.44Drive | |  | 5 | |  |  | Piece |  | 70 | |  |  |  |  | 30 |  | 300 | |  | 175 | |  |
| P08865 | | |  | 1.22Drive | |  | 5 | |  |  | Piece |  | 75 | |  |  |  |  | 30 |  | 450 | |  | 300 | |  |

Create the table and insert records as given above.

**Write the SQL queries for the following:**

1. Find out the names of all the clients.
2. Retrieve the list of names and cities of all the clients.
3. List the various products available from the product\_master table.
4. List all the clients who are located in Bombay.
5. Display the information for client no C00001 and C 00002..
6. Find the products with description as ‘1.44 Drive’ and ‘1.22 Drive’.
7. Find all the products whose sell price is greater than 5000.
8. Find the list of all clients who stay in city ‘Bombay’ or city ‘Delhi’ or ‘Madras’.
9. Find the product whose selling price is greater than 2000 and less than or equal to 5000.
10. List the name, city and state of clients not in the state of ‘Maharashtra’.
11. Change the selling price of ‘1.44 floppy drive’ to Rs.1150.00
12. Delete the record with client 0001 from the client\_master table.
13. Find the products whose selling price is more than 1500 and also find the new selling price as original selling price\*15.
14. Find out the clients who stay in a city whose second letter is a.
15. Find out the name of all clients having ‘a’ as the second letter in their names.
16. List the products in sorted order of their description.
17. Count the total number of product.
18. Calculate the average price of all the products
19. Calculate the minimum price of products.
20. Determine the maximum and minimum prices. Rename the tittle as ‘max\_price’ and min\_price respectively.
21. Count the number of products having price greater than or equal to 1500
22. List the products according to ascending order of their selling price.
23. List the products according to descending order of their selling price.