**PROJECT DOCUMENTATION**

The project is made by the simple use of MYSQL-Python Connectivity. As the program goes the “FIRST TIME USE” SRC code is used to create a database “stocks” and the table “PRODUCT” for the functioning of program.

Given below is the structure of PRODUCT Table:

**| Field | Type | Null | Key | Default| Extra |**

| **PCODE**| int | YES | | NULL | |

|**PNAME**|char(20)| YES | | NULL | |

| **PPRICE**| int | YES | | NULL | |

| **PQTY** | int | YES | | NULL | |

| **PCAT**  |char(20)| YES | |NULL | |

Now coming toward the main code. First of all it imports the necessary module and establish the connectivity with the database “stocks”. The function “**product\_mnmg()”** contains a menu code which prints:

**PRODUCT MANAGEMENT SYSTEM**

**1. ADD NEW PRODUCT**

**2. LIST PRODUCT**

**3. UPDATE PRODUCT**

**4. DELETE PRODUCT**

**5. QUIT PROGRAM**

**Then it asks for a choice from (1-5) as marked in the menu.**

**@**If the user choose option 1, i.e. to add a new row in the table. It will ask for all the necessary details including Name, Quantity, Price, etc. And add all those details into the table using **INSERT** clause.

**@**If the user choose option 2, i.e. to display the list of products. It will print the details of each product under the headings

**code name price quantity category**

Using the values stored in the SQL table one by one.

**@**IF the user choose option 3, i.e. to update the price or quantity of the products.

The function asks for the product code of the specific item and then ask for the updated value and using the **UPDATE** clause it updates the specified columns with new values.

**@**If the user choose option 4, i.e. to delete a product from table. It do so by using **DELETE** clause on the user inserted product code. And as a confirmation of deletion it prints a message

“**Product Deleted Successfully**”.

**@**And at last when the user want to quit the program he choose option 5 which will shows the credit of this program along with a “**THANK YOU**” message.

**NOTE:** The program needs to be end by the user only and to ensure that it does no close after the user chooses a operation from(1-4) we have used “**recursion**” of “**product\_mnmg**” at the end of every “if” clause. It helps the user to use this program for long time.

**It is beneficial for the people who owns a shop or godown or showroom owners to keep a accountability of the goods stored. Being less complicated it can also be modified according to personal need and ease.**