SAMPLE OUTPUTS:
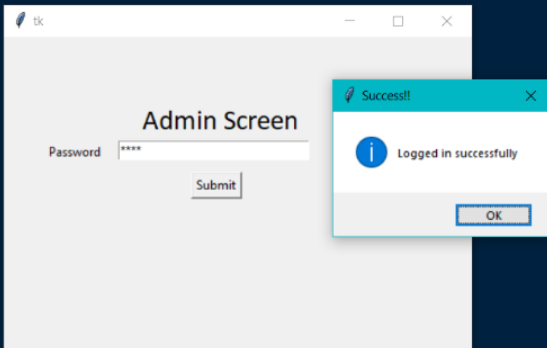


```
                              WELCOME  TO  PHARMAHUB




1.Admin
2.Customer
3.Exit

Enter the choice:
```

As soon as the code is executed, it asks for 3 options namely admin, customer, exit


```
                         WELCOME  TO  PHARMAHUB




1.Admin
2.Customer
3.Exit

Enter the choice:1
```

Admin Screen
Password ****
Submit

Success!!
Logged in successfully
OK

If choice 1 is selected, it will first ask for the password and will allow you to proceed only if the entered password is correct.

```
1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 1
Enter the product name: Horlicks 500gm pouch
Enter the quantity: 60
Enter the product price: 280
Item added to inventory
Would you like to keep adding items to your inventory? (y/n)
```

For admin, there are 7 choices

Option 1:
This option is to add new items to the inventory/stock, like shown above, it will ask for the product name, quantity that is being stock, and the price of the product. Now, the product is assigned a product code which is unique for each product. It will ask if you want to add more items to inventory. If no, it will go back to the main menu.

```
Item added to inventory
Would you like to keep adding items to your inventory? (y/n)n

1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 2
(1) Change Item Name
(2) Alter Item Price
(3) Update Stock
(4) Go back to main menu
Enter choice:
```

```
Enter the choice: 2
(1) Change Item Name
(2) Alter Item Price
(3) Update Stock
(4) Go back to main menu
Enter choice:
1
+----------------+-------------------------------------+------------+---------+
|   Product Code | Product Name                        |  Quantity |   Price |
+================+=====================================+============+=========+
|              1 | Horlicks 500gm pouch                |        60 |     280 |
+----------------+-------------------------------------+------------+---------+
|              2 | Dolo 650                            |       100 |      28 |
+----------------+-------------------------------------+------------+---------+
|              3 | Hycera plus                         |       100 |      30 |
+----------------+-------------------------------------+------------+---------+
|              4 | ORS orange flavoured pack of 4      |        40 |     120 |
+----------------+-------------------------------------+------------+---------+
|              5 | Ensure 400gm Vanilla Flavoured-     |        40 |     150 |
+----------------+-------------------------------------+------------+---------+
Enter product code of item to change Name:
|
```

```
Enter the choice: 2
(1) Change Item Name
(2) Alter Item Price
(3) Update Stock
(4) Go back to main menu
Enter choice:
1
+----------------+-------------------------------------+------------+---------+
|   Product Code | Product Name                        |  Quantity |   Price |
+================+=====================================+============+=========+
|              1 | Horlicks 500gm pouch                |        60 |     280 |
+----------------+-------------------------------------+------------+---------+
|              2 | Dolo 650                            |       100 |      28 |
+----------------+-------------------------------------+------------+---------+
|              3 | Hycera plus                         |       100 |      30 |
+----------------+-------------------------------------+------------+---------+
|              4 | ORS orange flavoured pack of 4      |        40 |     120 |
+----------------+-------------------------------------+------------+---------+
|              5 | Ensure 400gm Vanilla Flavoured-     |        40 |     150 |
+----------------+-------------------------------------+------------+---------+
Enter product code of item to change Name:
5
Enter the new name of product: Ensure 400gm Vanilla Flavoured
Item's name has been changed
Would you like to change the name of any other Item in the inventory? (y/n)n
(1) Change Item Name
(2) Alter Item Price
(3) Update Stock
(4) Go back to main menu
Enter choice:
```

```
Enter choice:
2
+---------------+---------------------------------+-----------+---------+
|  Product Code | Product Name                    | Quantity  |  Price  |
+===============+=================================+===========+=========+
|             1 | Horlicks 500gm pouch            |       60  |    280  |
+---------------+---------------------------------+-----------+---------+
|             2 | Dolo 650                        |      100  |     28  |
+---------------+---------------------------------+-----------+---------+
|             3 | Hycera plus                     |      100  |     30  |
+---------------+---------------------------------+-----------+---------+
|             4 | ORS orange flavoured pack of 4  |       40  |    120  |
+---------------+---------------------------------+-----------+---------+
|             5 | Ensure 400gm Vanilla Flavoured  |       40  |    150  |
+---------------+---------------------------------+-----------+---------+
Enter product code of item to update price:
1
Enter the new price of product: 300
Item's price is updated
Would you like to change the price of any other Item in the inventory? (y/n)n
(1) Change Item Name
(2) Alter Item Price
(3) Update Stock
(4) Go back to main menu
Enter choice:
```

Option 2:

This is to alter information in the stock like the product name or the price or if we want to add more quantity to the inventory. If the changes we wanted to make are done, we can go back to the main menu.

```
1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 4
+---------------+---------------------------------+-----------+---------+
|  Product Code | Product Name                    | Quantity  |  Price  |
+===============+=================================+===========+=========+
|             1 | Horlicks 500gm pouch            |       60  |    300  |
+---------------+---------------------------------+-----------+---------+
|             2 | Dolo 650                        |      100  |     28  |
+---------------+---------------------------------+-----------+---------+
|             3 | Hycera plus                     |      100  |     30  |
+---------------+---------------------------------+-----------+---------+
|             4 | ORS orange flavoured pack of 4  |       40  |    120  |
+---------------+---------------------------------+-----------+---------+
```

Option 4:

This option is for the admin to view the stock.

```
1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 5
+-----------------+----------------+----------------+--------------------------+
| PURCHASED DATE  |  PHONE NUMBER  |  PRODUCT CODE  |  TOTAL PRICE PURCHASED   |
+=================+================+================+==========================+
| 2023-09-06      |   9942136491   |            5   |                    207   |
+-----------------+----------------+----------------+--------------------------+
| 2023-09-07      |   9940581552   |           11   |                    600   |
+-----------------+----------------+----------------+--------------------------+
| 2023-09-07      |   7845344557   |           11   |                   1500   |
+-----------------+----------------+----------------+--------------------------+
| 2023-09-07      |   9848083146   |           12   |                     56   |
+-----------------+----------------+----------------+--------------------------+
| 2023-09-07      |   9840705283   |           11   |                    600   |
+-----------------+----------------+----------------+--------------------------+
| 2023-09-07      |   9840705283   |           14   |                    360   |
+-----------------+----------------+----------------+--------------------------+
| 2023-09-09      |   9876543210   |           12   |                     56   |
+-----------------+----------------+----------------+--------------------------+
(1) Total amount purchased by each customer
(2) Order purchase history by latest purchases
(3) Go Back To Main Menu
Enter the choice:
```

```
+-----------------+----------------+----------------+
(1) Total amount purchased by each customer
(2) Order purchase history by latest purchases
(3) Go Back To Main Menu
Enter the choice: 1
+----------------+--------------------------+
|  PHONE NUMBER  |  TOTAL PRICE PURCHASED   |
+================+==========================+
|   9942136491   |                    207   |
+----------------+--------------------------+
|   9940581552   |                    600   |
+----------------+--------------------------+
|   7845344557   |                   1500   |
+----------------+--------------------------+
|   9848083146   |                     56   |
+----------------+--------------------------+
|   9840705283   |                    960   |
+----------------+--------------------------+
|   9876543210   |                     56   |
+----------------+--------------------------+
```

```
Enter the choice: 2
+------------------+-----------------+--------------+---------------------------+
|  PURCHASED DATE  |   PHONE NUMBER  |  PRODUCT CODE |   TOTAL PRICE PURCHASED  |
+==================+=================+==============+===========================+
|  2023-09-09      |      9876543210 |        12    |                      56  |
+------------------+-----------------+--------------+---------------------------+
|  2023-09-07      |      9940581552 |        11    |                     600  |
+------------------+-----------------+--------------+---------------------------+
|  2023-09-07      |      7845344557 |        11    |                    1500  |
+------------------+-----------------+--------------+---------------------------+
|  2023-09-07      |      9848083146 |        12    |                      56  |
+------------------+-----------------+--------------+---------------------------+
|  2023-09-07      |      9840705283 |        11    |                     600  |
+------------------+-----------------+--------------+---------------------------+
|  2023-09-07      |      9840705283 |        14    |                     360  |
+------------------+-----------------+--------------+---------------------------+
|  2023-09-06      |      9942136491 |         5    |                     207  |
+------------------+-----------------+--------------+---------------------------+
(1) Total amount purchased by each customer
(2) Order purchase history by latest purchases
(3) Go Back To Main Menu
```

Option 5:

This option is for the admin to view the purchase history. In this page, the admin can view the total amount purchased by each customer and also can view the history by the latest purchase.

Option 6:

This option is for the admin to change the password to login into the admin screen.

```
1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 7
Thank you for using PharmaTech's software system

1.Admin
2.Customer
3.Exit

Enter the choice:
```

Option 7:

Now, the admin can logout of admin screen and will display our company's name and will go back to the main screen. The admin can either choose to exit the software or login again as admin or give the control to the customer.

```
1.Admin
2.Customer
3.Exit

Enter the choice:2

1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice:
```

If choice 2 is selected, the user enters the customer page, and can choose from the above options.
For customer, there are 6 options:
    when option 1 is selected:

```
Enter your choice: 1
+---------------+-------------------------------+-----------+---------+
|  Product Code | Product Name                  | Quantity  |  Price  |
+===============+===============================+===========+=========+
|             1 | Horlicks 500gm pouch          |        60 |     300 |
+---------------+-------------------------------+-----------+---------+
|             2 | Dolo 650                      |       100 |      28 |
+---------------+-------------------------------+-----------+---------+
|             3 | Hycera plus                   |       100 |      30 |
+---------------+-------------------------------+-----------+---------+
|             4 | ORS orange flavoured pack of 4|        40 |     120 |
+---------------+-------------------------------+-----------+---------+
|             5 | Ensure 400gm Vanilla Flavoured|        40 |     150 |
+---------------+-------------------------------+-----------+---------+

1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice:
```

Option 1:

This option is for the customer to see the available items, the price and the quantity available

```
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice: 2
+---------------+-------------------------------+-----------+---------+
|  Product Code | Product Name                  | Quantity  |  Price  |
+===============+===============================+===========+=========+
|             1 | Horlicks 500gm pouch          |        60 |     300 |
+---------------+-------------------------------+-----------+---------+
|             2 | Dolo 650                      |       100 |      28 |
+---------------+-------------------------------+-----------+---------+
|             3 | Hycera plus                   |       100 |      30 |
+---------------+-------------------------------+-----------+---------+
|             4 | ORS orange flavoured pack of 4|        40 |     120 |
+---------------+-------------------------------+-----------+---------+
|             5 | Ensure 400gm Vanilla Flavoured|        40 |     150 |
+---------------+-------------------------------+-----------+---------+
Enter the product code you want to add in cart
2
Enter the quantity of the Item chosen: 3
Product added to your cart.

do you want to continue adding products to your cart?(y/n)y
Enter the product code you want to add in cart
2
Enter the quantity of the Item chosen: 1
Product added to your cart.

do you want to continue adding products to your cart?(y/n)n
```

Option 2:

Now, the customer can add the products/medicines that they want to buy

```
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice: 3
+---------------+---------------+-----------+--------------+---------+
|  PRODUCT CODE | PRODUCT NAME  |  QUANTITY | UNIT PRICE | PRICE |
+===============+===============+===========+==============+=========+
|             2 | Dolo 650      |        4 |           28 |    112 |
+---------------+---------------+-----------+--------------+---------+

1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice:
```

Option 3:

The customer can view their cart. It will also show the total price for each product selected.

```
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice: 3
YOU HAVEN'T ADDED ANYTHING TO YOUR CART. DO YOU WISH TO ADD ANYTHING? (y/n)
n
```

Special case: If the customer either tries to view the cart or print the bill, it will display the following message and hence, it's the customer's choice if they want to proceed or not

```
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice: 5
PLEASE PROVIDE THE DETAILS FOR THE FOLLOWING QUESTIONS
Enter your name: Krtin
Enter the customer's phone number: 9884083146



PRINTING THE BILL.....
```

Option 5:

Now if the customer wants to print the bill, they can choose. It will ask for some information that is needed like the customer's name and the phone number.

```
                                  Bill To Be Paid
_____

Date of billing: 10/09/2023
Customer name: Krtin
Contact number: 9884083146



+--------------+-----------+----------------+-----------+
| DESCRIPTION  |  QUANTITY |  UNIT PRICE(₹)  |  TOTAL(₹) |
+==============+===========+================+===========+
| Dolo 650     |        4 |             28 |       112 |
+--------------+-----------+----------------+-----------+



TOTAL AMOUNT TO BE PAID:            ₹ 112.0 -/


-----------------------------------------------------------------------------
                       THANK YOU FOR CHOOSING PHARMAHUB
                              GET WELL SOON!!
_____
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store
```

Option 6:

As soon as the bill is printed, the stock will reduce and the items from the cart will be deleted.

```
_____
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store
_____
Enter your choice: 4
No items in cart to delete
_____
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store
```

```
4: Delete Items from Cart
5. Print Bill
6: Exit Store
_____
Enter your choice: 345345
PLEASE CHOOSE WITHIN GIVEN OPTIONS!!
_____
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store
_____
Enter your choice: 2
+----------------+---------------------------------+-----------+---------+
|  Product Code  | Product Name                    | Quantity |  Price |
+================+=================================+===========+=========+
|             1  | Horlicks 500gm pouch            |       60 |    300 |
+----------------+---------------------------------+-----------+---------+
|             2  | Dolo 650                        |       96 |     28 |
+----------------+---------------------------------+-----------+---------+
|             3  | Hycera plus                     |      100 |     30 |
+----------------+---------------------------------+-----------+---------+
|             4  | ORS orange flavoured pack of 4  |       40 |    120 |
+----------------+---------------------------------+-----------+---------+
|             5  | Ensure 400gm Vanilla Flavoured  |       40 |    150 |
+----------------+---------------------------------+-----------+---------+
Enter the product code you want to add in cart
eegege
Enter numeric values only.
324324
Value not found. Please enter a valid value.
1
Enter the quantity of the Item chosen: 2
Product added to your cart.
```

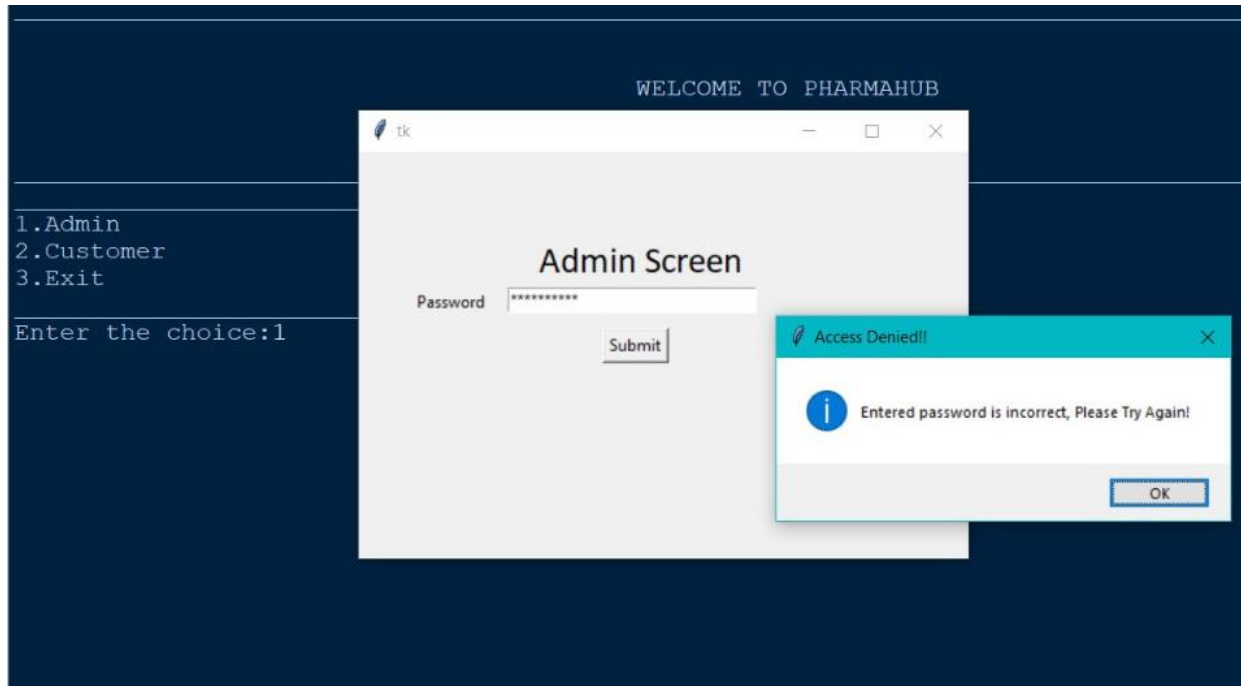We can now see that the quantity of Dolo 650 has now reduced to 96 from 100

If the user wants to purchase more, they can do so or exit the store.

```
1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

_____
Enter your choice: 6


                                    THANK YOU FOR VISITING PHARMAHUB!
```

When the admin enters an incorrect password, then the following output will be shown

The following outputs will be displayed when the user inputs invalid data types, for example, price is an integer quantity and the user provides a character

```
1.Admin
2.Customer
3.Exit

Enter the choice:1

1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 1
Enter the product name: Sildenafil
Enter the quantity: rbrrwrgtrtg
Enter only numeric values.
Enter the quantity: 30
Enter the product price: rwgtg

Invalid price value.
Enter the product price: 40
Item added to inventory
Would you like to keep adding items to your inventory? (y/n)n
```

```
1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 2
(1) Change Item Name
(2) Alter Item Price
(3) Update Stock
(4) Go back to main menu
Enter choice:
435353
Choose options only from 1, 2, 3 and 4.
rwegeg
Enter only numeric values.
```

```
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout

Enter the choice: 3
+----------------+-------------------------------+------------+---------+
|  Product Code  | Product Name                  |  Quantity  |  Price  |
+================+===============================+============+=========+
|             1  | Horlicks 500gm pouch          |        60  |    300  |
+----------------+-------------------------------+------------+---------+
|             2  | Dolo 650                      |        96  |     28  |
+----------------+-------------------------------+------------+---------+
|             3  | Hycera plus                   |       100  |     30  |
+----------------+-------------------------------+------------+---------+
|             4  | ORS orange flavoured pack of 4|        40  |    120  |
+----------------+-------------------------------+------------+---------+
|             5  | Ensure 400gm Vanilla Flavoured|        40  |    150  |
+----------------+-------------------------------+------------+---------+
|             6  | Sildenafil                    |        30  |     40  |
+----------------+-------------------------------+------------+---------+
Enter product code to delete item from inventory:
3234324
Value not found. Please enter a valid value.
6
Item Deleted from Inventory successfully
Would you like to delete any other Item in the inventory? (y/n)n

1) Add New Item
2) Alter Stock Item Values
3) Deleting an Item
4) Display All Items
5) View Purchase history
6) Change Password
7) Logout
```

```
Enter the choice: 7
Thank you for using PharmaTech's software system

1.Admin
2.Customer
3.Exit

Enter the choice:2

1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice: tgtg
PLEASE CHOOSE WITHIN GIVEN OPTIONS!!

1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice: 345345
PLEASE CHOOSE WITHIN GIVEN OPTIONS!!

1.View Available Items
2. Add To Cart
3. View Cart
4: Delete Items from Cart
5. Print Bill
6: Exit Store

Enter your choice:
```