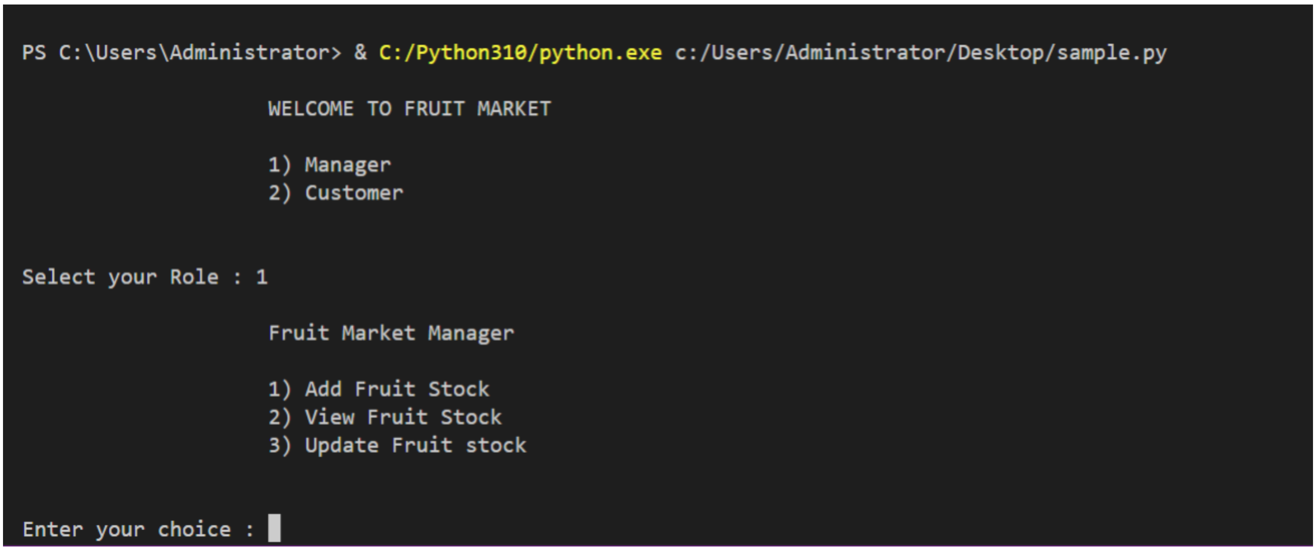
Core Python
Assessment Test

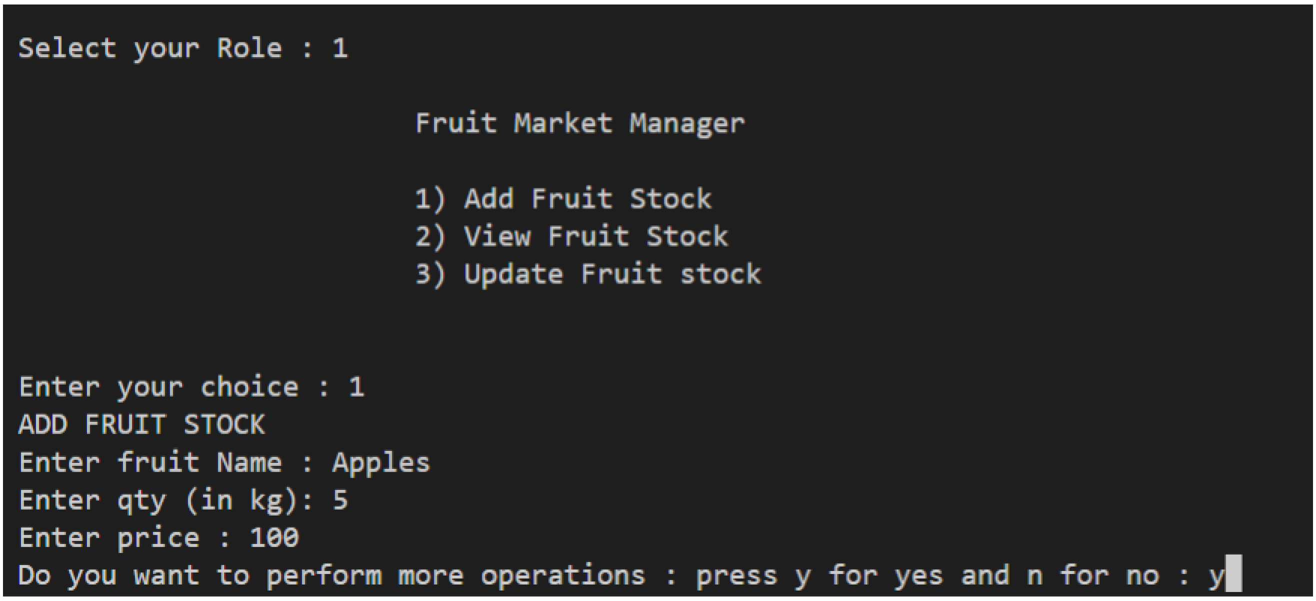
- **Write a program to demonstrate the Fruit Store Console application**
- **Prepare demonstration of Python Fruit Store under software development principles and follow coding protocols**
- **Prepare code with module controller – which holds your actual code that may be inside root.**
- **Follow PEP 8 rules these are guidelines and standards for development**
- **Use proper naming conventions for variables, functions, methods, and more**
- **To implement application using of control statements as well as collection concept**
- **In this application 2 modules involved (Fruit Manager, Customer)**
- **Execution of the code following menu must be displayed.**
- **Make sure each business logic is denoted with appropriate comments and make your code interactive and represent clean and clear output on your console screen**.



```
PS C:\Users\Administrator> & C:/Python310/python.exe c:/Users/Administrator/Desktop/sample.py

                    WELCOME TO FRUIT MARKET

                    1) Manager
                    2) Customer


Select your Role : 1

                    Fruit Market Manager

                    1) Add Fruit Stock
                    2) View Fruit Stock
                    3) Update Fruit stock


Enter your choice : 
```

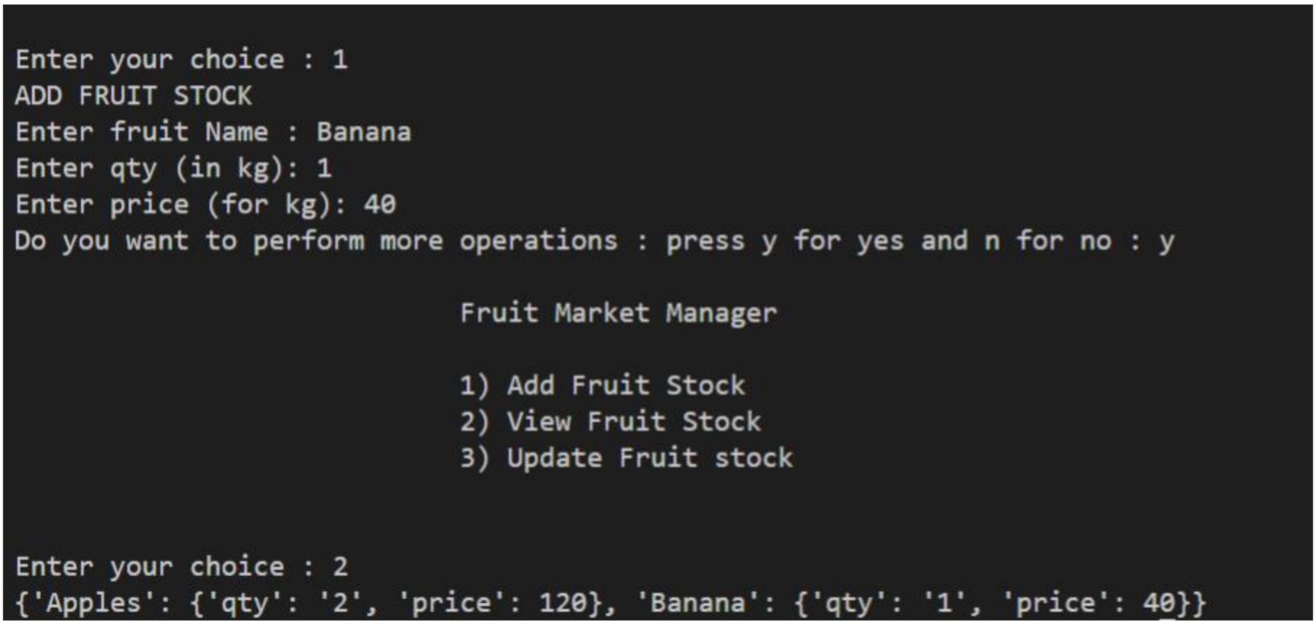
- **Fruit Manager can add fruit stock, view fruit stock, update Fruit Stock**

- **Use Functions concepts and modules – make programs more readable**
- **Store all transactions in dictionary**



```
Select your Role : 1

                         Fruit Market Manager

                         1) Add Fruit Stock
                         2) View Fruit Stock
                         3) Update Fruit stock


Enter your choice : 1
ADD FRUIT STOCK
Enter fruit Name : Apples
Enter qty (in kg): 5
Enter price : 100
Do you want to perform more operations : press y for yes and n for no : y
```

View All Stocks:



```
Enter your choice : 1
ADD FRUIT STOCK
Enter fruit Name : Banana
Enter qty (in kg): 1
Enter price (for kg): 40
Do you want to perform more operations : press y for yes and n for no : y

                            Fruit Market Manager

                            1) Add Fruit Stock
                            2) View Fruit Stock
                            3) Update Fruit stock


Enter your choice : 2
{'Apples': {'qty': '2', 'price': 120}, 'Banana': {'qty': '1', 'price': 40}}
```

- **Make sure this code implements using file handling concept**
- **create separate file for all business logics and make them reusable - use modules concepts for implements above logic**

After each operation always display menu:

- **Make sure validation proper given – each option - display appropriate message if user enter invalid input and accept values again and - use looping concepts and string inbuilt methods concepts in this logic implementation**
- **Make sure code prevent from unexpected exception return to the previous menu and accept all details again.**

After entered notes output must be like following:

- **Generate a log file and store all transaction details in that log file.**
- **After each selection menu must be displayed asking for user input**
- **After execution of each option confirmation message must be displayed.**
- **Program should not be terminated till the user Exit it**
- **Developer needs to test his product before launching it into the market**
- **After completion this project upload it on GitHub**
    - **Upload all features in develop branch after completion all features merge it with main branch**