National University of Modern Languages

Artificial Intelligence - LAB

Lab # 2

BSSE 5(M)

Submitted By:

Muhammad Umair (12093)

Submitted To:

Sir Faiq

TASK 1

Write a program that first displays a simple cafe menu (see example below), asks the user to enter the number of a choice, and either prints the appropriate action OR prints an error message that their choice was not valid.

Example output:

1. Soup and salad
2. Pasta with meat sauce
3. Chef's special

Which number would you like to order? 2 One Pasta with meat sauce coming right up!
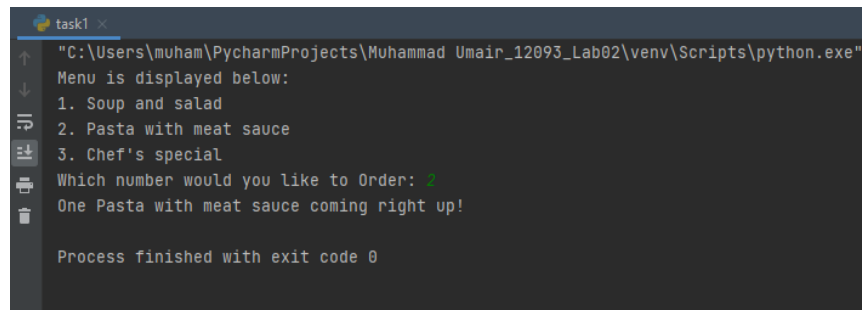
Which number would you like to order? 5 Sorry, that is not a valid choice.

Code:

```python
print("Menu is displayed below: ")
print("1. Soup and salad")
print("2. Pasta with meat sauce")
print("3. Chef's special")
choice = int(input("Which number would you like to Order: "))

if choice == 1:
    print("One Soup and Salad coming right up!")
elif choice == 2:
    print("One Pasta with meat sauce coming right up!")
elif choice == 3:
    print("One Chef's special coming right up!")
else:
    print("Invalid Choice")
```
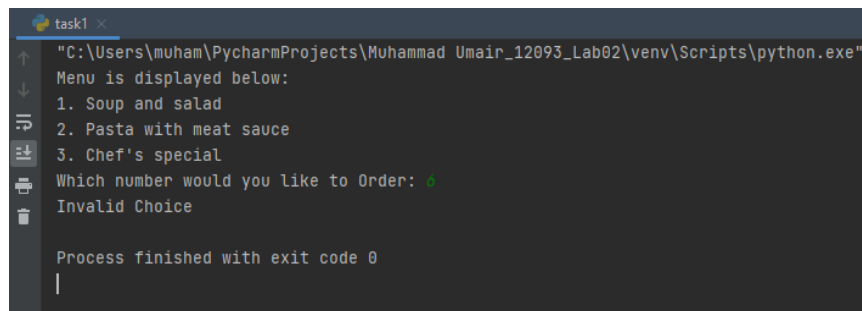
Output:

If input value is correct

If input value is incorrect

TASK 2

Once upon a time in Apple land, John had three apples, Mary had five apples, and Adam had six apples. They were all very happy and lived for a long time. End of story.
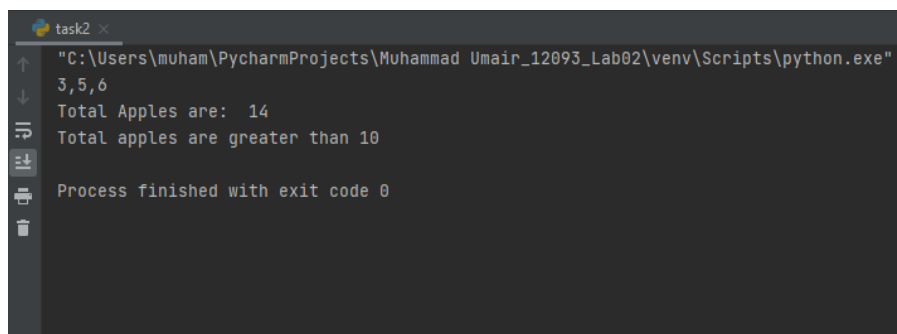
Your task is to:

- create the variables: john, mary, and adam;
- assign values to the variables. The values must be equal to the numbers of fruit possessed by John, Mary, and Adam respectively;
- having stored the numbers in the variables, print the variables on one line, and separate each of them with a comma;
- now create a new variable named totalApples equal to addition of the three former variables.
- print the value stored in totalApples to the console
- Check if the totalApples is greater, smaller or equal to 10.

Code:

```
John = 3
Mary = 5
Adam = 6
print(John, Mary, Adam, sep=",")
TotalApples = John + Mary + Adam
print('Total Apples are: ', TotalApples)
if TotalApples == 10:
    print("Total apples are equal to 10")
elif TotalApples < 10:
    print("Total apples are less than 10")
elif TotalApples > 10:
    print("Total apples are greater than 10")
```

Output:

```
task2 ×
 "C:\Users\muham\PycharmProjects\Muhammad Umair_12093_Lab02\venv\Scripts\python.exe"
 3,5,6
 Total Apples are:  14
 Total apples are greater than 10

 Process finished with exit code 0
```