Name: MD Ariful Islam

Email: arif\_9011@yahoo.com

Hangman project in python

Introduction: This is a simple Hangman game using Python programming language in Python.

## Milestone 1 Task1

Q: Set up GitHub and environment for the project?

Ans: install VS code, learn command line, file manipulation, set up Github account and create Repo hangman.We will use GitHub to track changes our code and save them online in a GitHup repo.

## Milestone 2 Task1

Q: Define the list of possible words?

Ans:

Step 1: I have created list containing the name of 5 favourite fruits in python.

Step 2: I have assigned this list to a variable called word\_list.

Step3: I did print out the created list to the standard out.

Code:

```python

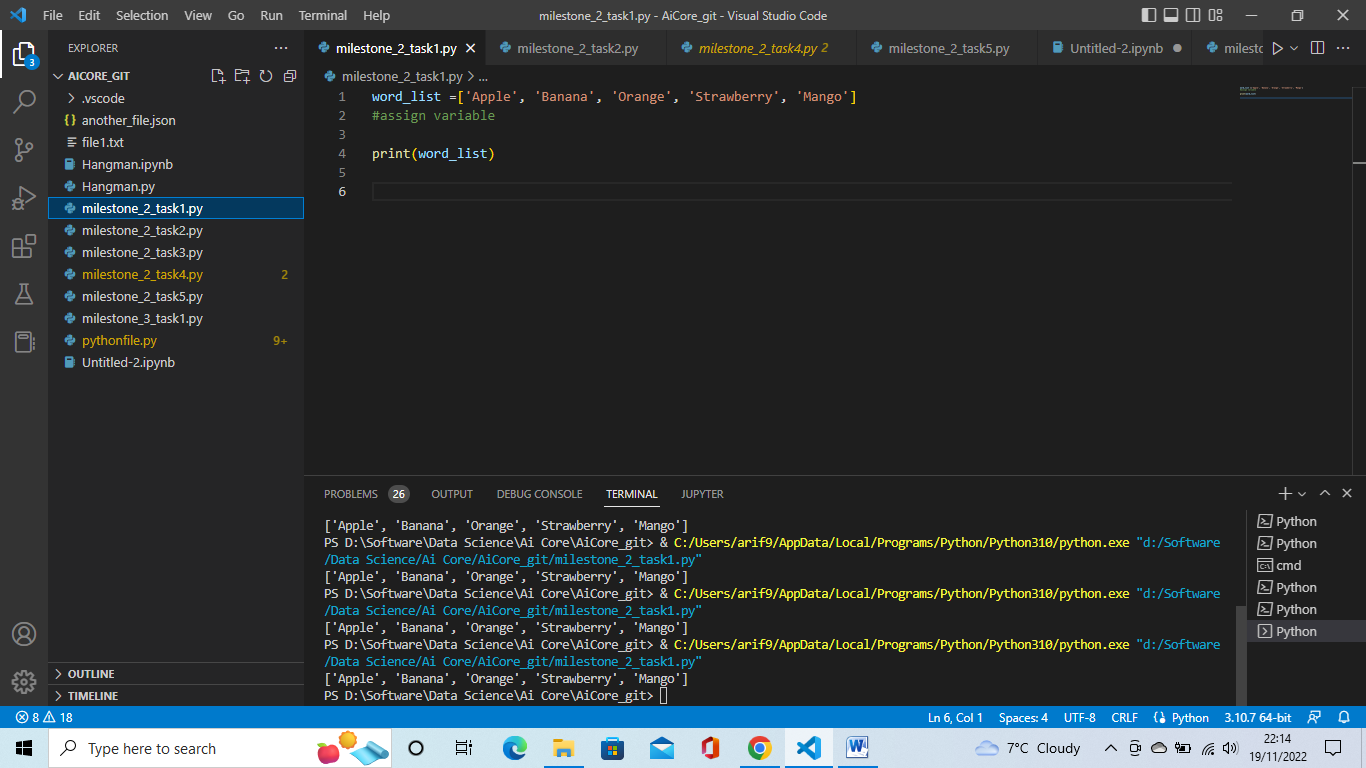
word\_list =['Apple', 'Banana', 'Orange', 'Strawberry', 'Mango']

#assign variable

print(word\_list)

‘’’

Screenshot:



## Milestone2 Task2

Q: Choose a random word from the list?

Ans: I have used random module. The random module is one of python’s built-in modules. It has a choice method which returns a random item from a given sequence.

Step1: I have created new file in python.

Step2: I have written import random on the line

Step3: I have created random.choice method and passed the word\_list variable into the choice method.

Step4: I did assign the randomly generated word to a variable called word.

Step5: Then I did print out the word to the standard output. And I did run the code several times and I can see word is coming randomly.

Code:

```python

import random

word\_list =['Apple', 'Banana', 'Orange', 'Strawberry', 'Mango']

random.choice

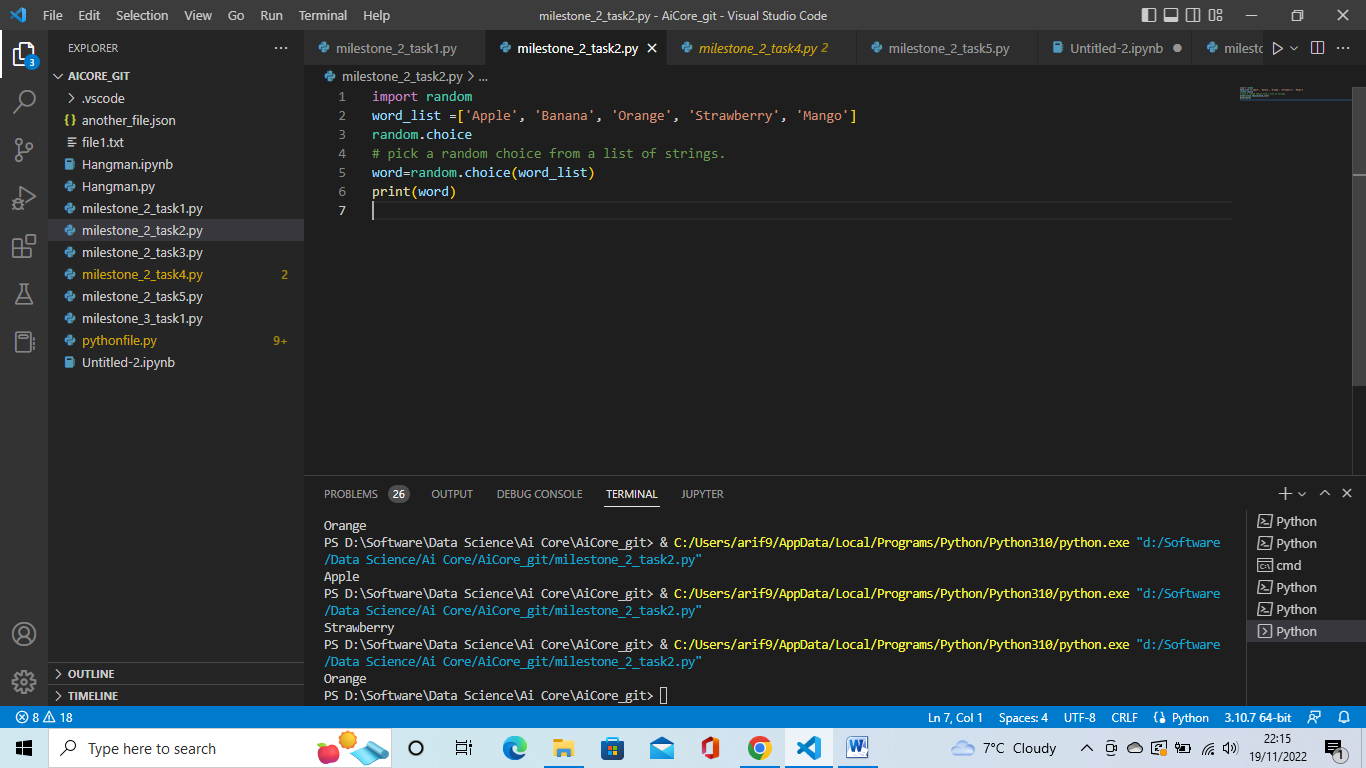
# pick a random choice from a list of strings.

word=random.choice(word\_list)

print(word)

‘’’

Screenshot:



## Milestone 2 Task3

Q: Ask the user for an input?

Ans:

Step1: I have used input function for taking input from the user. Ask the user to enter a single letter.

Step: I did assign the input to variable called guess.

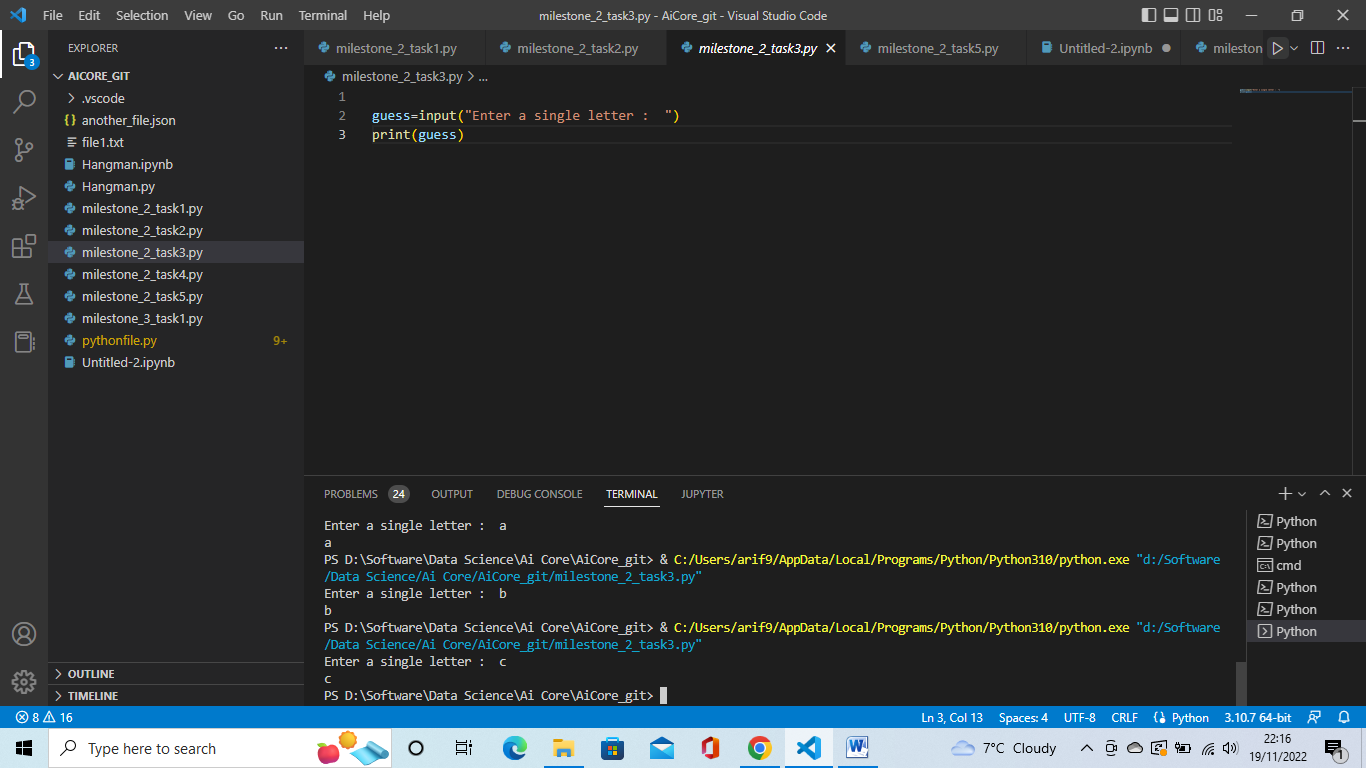
Code:

‘’’ python

guess=input("Enter a single letter :  ")

print(guess)

Screenshot:



##Milestone 2 Task4

Q: Check that the input is a single character?

Ans:

Step1: I have created if statement input guess is equal to 1 and the input is an alphabet.

Step2: If the if statement is true then print enter input is valid else print Opps that is not a valid input.

Step3: If the if statement is word then print good guess enter the word else print opps invalid guess.

Code:

“Python

def check\_guess(guess):

#Guess convert to lower case

   print(guess.lower())

   # check input is valid

   if guess.isalpha() and len(guess)==1:

        print("Enter is valid")

   else:

     print("  Oops! That is not a valid input.")

            #Enter is in word

     if guess in word:

                print("Good.  {guess} Enter the word")

     else:

                print("opps! invalid guess word")

Screenshot:

