Justin Saldivar   CYSE 250   4/8/2024
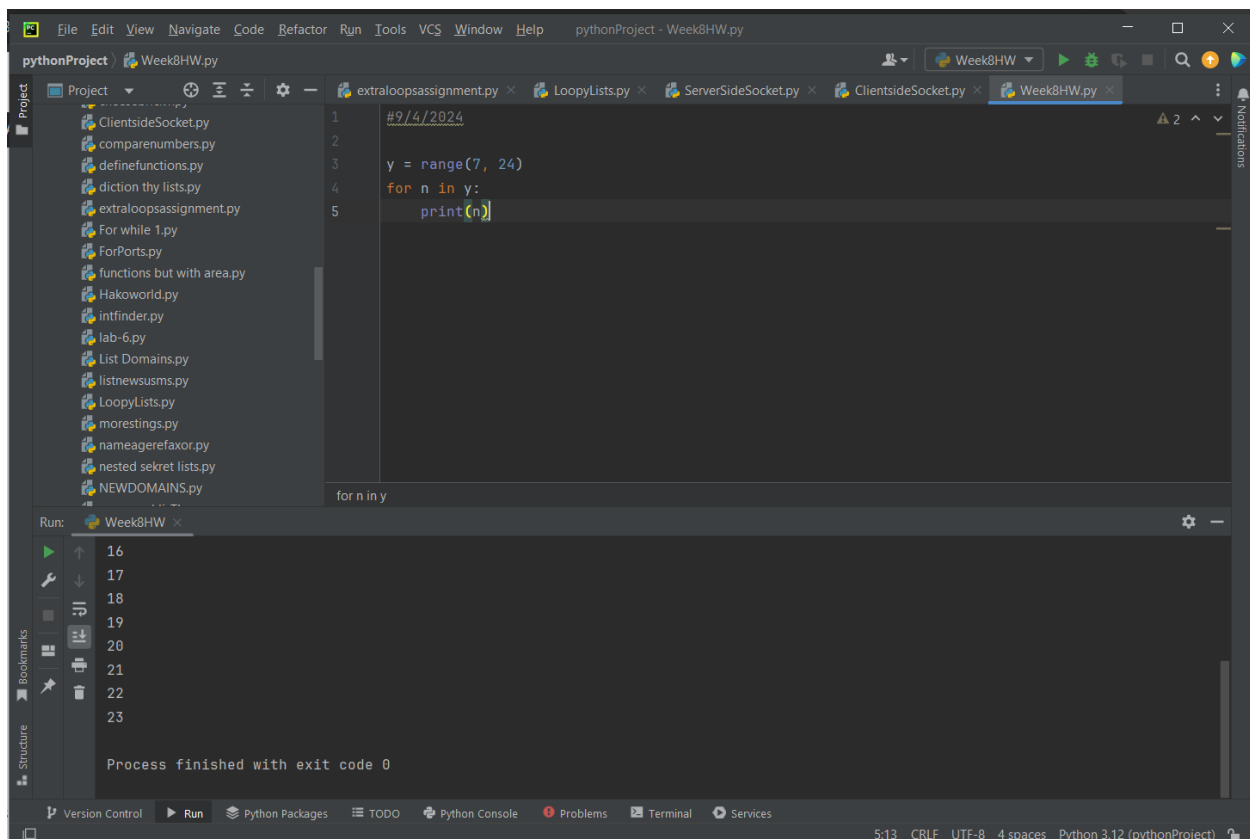
Question-1 [10 points]: What does "while True" mean in python programming?
While True in the context of a loop in python means that the code associated with the loop and the while true command will loop endlessly and can only be stopped with the break command.

Question-2 [5 points] (Research Question): What is range() in python? Explain with examples.
The range() command in python will count from the first number chosen (it starts with zero first) and continues to the last number in the sequence, an example would look like this.

Question-3 [5 points]: What is Pyfiglet module in python? [NOTE: You may use internet / online resources to research this question]
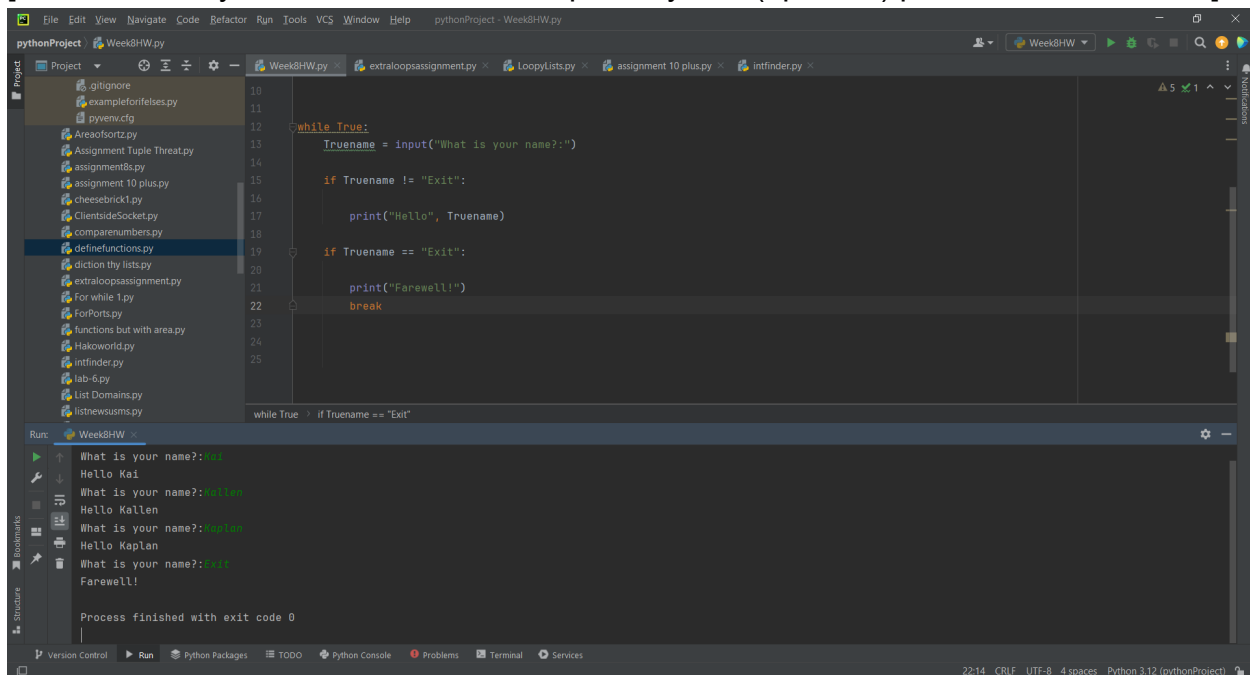
Pyfiglet is a fully ported module of FIGlet, an art program which takes ASCII text and transforms it into visual art that can be seen in the executed result.

Question-4 [20 points]: Write a python program to take any text or string input value (using input (()) for
a variable, for example "user_answer".

• If the entered input value for the variable user_answer is any text other than "Exit", then it
should print some greeting message of your choice.

• Continue the above steps using loop until the user types "exit" as input value for the variable
user_answer.

[HINT: You may refer to slide#34 in Loops in Python (updated).pdf, in canvas Module]

Question-5 [10 points] Using Write the following code in python editor and explain each line (using comments) as well as the output of the function.
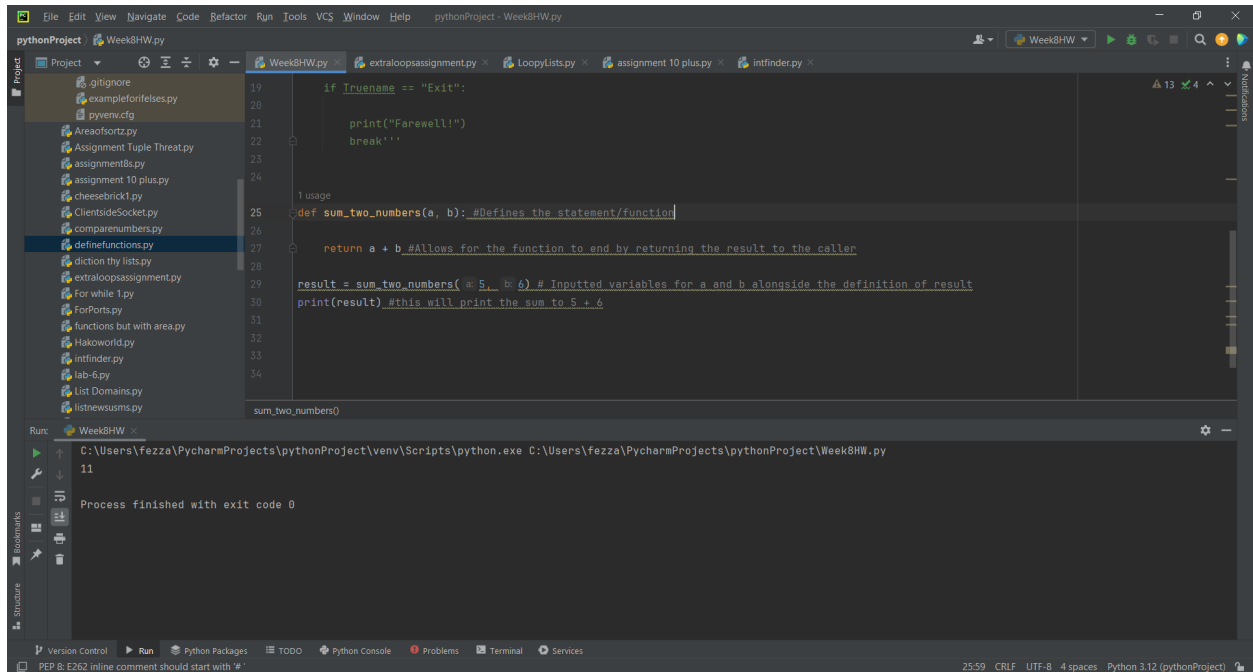
def sum_two_numbers(a, b):

return a + b

result = sum_two_numbers(5, 6)

print(result)

(Please submit the screenshot for your script and its output)

Extra credit question [10 points]:

Execute the following program in python editor and submit the screenshot of the output

import pyfiglet

banner = pyfiglet.figlet_format("Type Your Name Here")

print(banner)

NOTE: If you see the message like "No module named 'pyfiglet' ", then you may follow this video to
learn about how to install any package or library in PyCharm.

```python
        break'''



'''def sum_two_numbers(a, b): #Defines the statement/function

    return a + b #Allows for the function to end by returning the result to the caller

result = sum_two_numbers(5, 6) # Inputted variables for a and b alongside the definition of result
print(result)''''' #this will print the sum to 5 + 6

import pyfiglet

banner = pyfiglet.figlet_format("Type Your Name Here")

print(banner)
```