India Henry CYSE250 - 1:30 10 April 2024

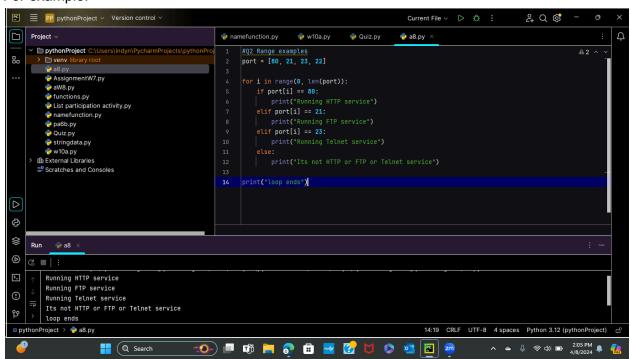
## Assignment 8: While loop in Python

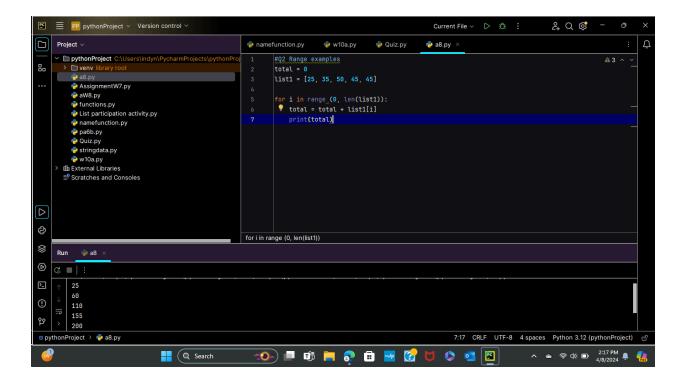
## 1. What does "while True" mean in python programming?

A while loop occurs until a boolean statement becomes "false", but a while True statement would go on forever unless the loop incorporates an exit statement.

## 2. What is range() in python? Explain with examples.

The range function is used to generate a sequence of numbers, generally used in for loops to iterate through a sequence a fixed number of times. For example:

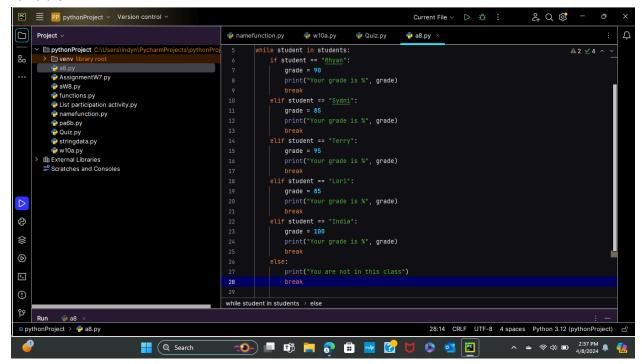


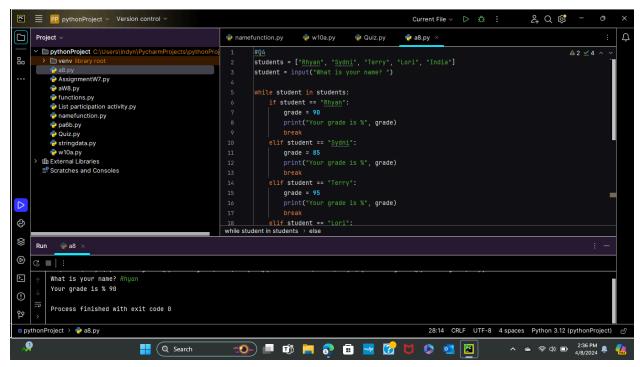


## 3. What is Pyfiglet modules in python?

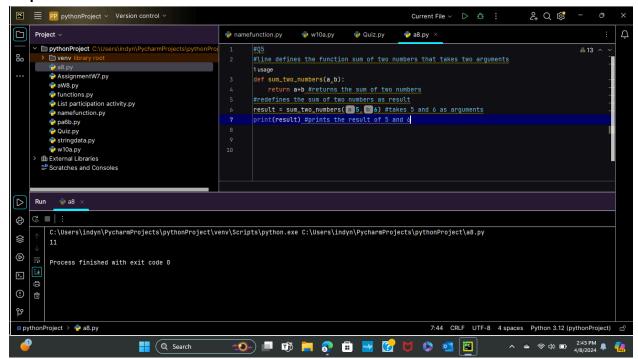
Pyfiglet is a module that, once imported into the python editor, can change the font of a given text.

4. Write a python program to take any text or string input value (using input()) for a variable.





5. Write the following code in python editor and explain each line as well as the output of the function



Extra Credit: Execute the following program in python editor and submit a screenshot of the output.

