CPSC 1301, Computer Science I Lab Assignment

Lab 01b

August 22, 2021

1   Installing and Testing your Python

Install the appropriate Python for your machine. Use Python3. See `https://www.python.org/`. Test your Python by doing this lab. Enter the following two commands at the OS prompt.

```
OS Prompt>python -V #this is a minus sign and an upper case V
OS Prompt>python --help #this is two minus signs followed by the word 'help'
```

2   Writing and Running your First Python Program

Your lab deliverable will consist of a transcript of your lab session. It will be in the form of a text (ASCII) file named `lab01b_lastname.txt`. I will show you how to do this in class.

Use this template for writing your Python programs. Use any text editor of your choice. I recommend Notepad++ (`https://notepad-plus-plus.org/`).

```python
1   #!python
2   # Name: week01_1.py
3   # Author: Charles Carter
4   # Date; May 16, 2021
5   # Purpose: first Python lab
6
7   # import statements here (if any)
8
9   # define methods here (if any)
10  # first function, no inputs, no outputs
11  def hello():
12      print("Hello from 'template.py'")
13
14  # second function, one input, no outputs
15  def hello_input(name):
16      print("Hello", name)
17
18  # third function, no inputs, one ouput
19  def hello_output():
20      print("Please enter your name: ", end = '')
21      v = input()
22      retval = "Hello, " + v
23      return retval
24
25  # fourth function, one input, one output
26  def hello_hello(whatever):
27      result = "This is the input: " + whatever
28      return result
29
30  #main function executes the defined functions
31  if __name__ == '__main__':
32      print("Hello from main")
33      hello()
34      hello_input("Charles")
```

```
35        # also , can use a variable
36        moniker = "Charles"
37
38        # also , can use a variable
39        hello_input ( moniker )
40
41        s = hello_output ()
42        print ( s )
43
44        print ( " Please enter some input : " , end = '' )
45        x = input ()
46        y = hello_hello ( x )
47        print ( y )
```