CSCI 161 Lab Assignment 3   Points 10

Objective:

To work with loops (for and while), break and continue in python.

Assignment:

1. Input a number from the user and find the sum of all numbers starting from 1 to the given input using while loop.

2. Input a number and check if it is prime or not using for loop.

3. Input two numbers (first number should be smaller than second, otherwise show error message) and print all odd numbers between the given input numbers using while loop.

4. Assign a string "CSCI161L" to a variable and print "CSCI" only using ***break*** statement.

5. Print the numbers from 1 to 20 excluding 5, 10, 15 using ***continue*** statement.

Sample output:

```
Task 1

 Enter a maximum number to count
5
The sum of the all numbers is=> 15

Task 2

Enter a number to check whether it is prime
8
8 is not a prime number

Task 3

Enter a first(minimum) number to count
4
Enter a (maximum) number to count
8
5
7

Task 4

C
S
C
I

Task 5

0
1
2
3
4
6
7
8
9
11
```

```
Enter a first(minimum) number to count
8
Enter a (maximum) number to count
5
First number should always be smaller than the second input
PS C:\Users\aydan\Desktop>
```

Instructions:

- Preferred programming environment:

    - OS   : Linux (Mint)
    - Interpreter   : Python 3 (not Python 2)
    - Editor   : gedit or editor of your choice

- The program is saved as a file with .py extension.

- The program should include a comment block at the top with your name, course number and course section, assignment number

For example:
```
# Your name
# CSCI II 161 L01/L02
# Assignment 3
```

- Upload your file as your *lastname_firstname_assignmentnumber.py*
  For example:
  lastname_firstname_3.py