

CYSE-250-Basic Cybersecurity Programming and Networking

Assignment-week-11

Total: 50 points

NOTE: This assignment is based on contents covered in week 8 and week 9- loops and strings

Question-1 [10 points]: What is the difference between a **while** loop and a **for** loop in Python?

Question-2 [5 points] (Research Question): What does “**while True**” mean in python?

Question-3 [5 points]: What is the significance of flowchart in Programming? [**NOTE: You may use internet / online resources to research this question**]

Question-4 [20 points]: Define the following terms in one or two sentence(s):

1. Iteration variable
2. Finite loop
3. Infinite loop
4. Iteration or pass

Question-5 [10 points] Using if-else condition, write a script in python to check whether a person is eligible to vote or not. (Please submit the screenshot for your script and its output)

Extra credit question [10 points]: Draw flowchart (You may draw on paper and submit the image/screenshot) for the following program:

```
n = 5
while n > 0:
    n = n - 1
    if n == 2:
        break
    print(n)
print('Loop ended.')
```