Assignment SU4 – Instructions

CMPG111 – Repetition Structures

SU4_1   To Vote or Not To Vote

Write a Python program that determines if a person may vote in the upcoming election. The user enters an age and the program determines whether the person may vote or not. The program is stopped when the user enters a zero (0). Make use of the *while* loop.

Submit your Python script (*.py) on CodeGrade named: *SU4_1.py*

Example run:

```
Enter your Age (0 to quit): 17
You may NOT vote
Enter your Age (0 to quit): 25
You are eligible to vote
Enter your Age (0 to quit): 18
You are eligible to vote
Enter your Age (0 to quit): 10
You may NOT vote
Enter your Age (0 to quit): 0
```

SU4_2   Sum of Some Numbers

Write a Python program that calculates the sum of the first N of even numbers, where N is a positive integer entered by the user. Ensure that only positive (natural numbers) integer values are accepted. Use a for loop to iterate from 1 to N inclusively, and calculate the running total of even numbers.

After calculating the sum, print the total sum of the first N even numbers.

Submit your Python script (*.py) on CodeGrade named: *SU4_2.py*

Example:

If the user enters N = 4, the program should calculate the sum as 2 + 4 + 6 + 8 = 20, and print the result as 'The sum of the first 4 even numbers is 20'. Use f-string formatting to print the output.