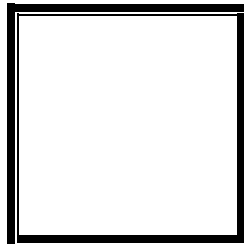Our Lady of Fatima University
College of Computer Studies
Computer Science Department

PROGRAMMING LANGUAGES WITH LAB

Laboratory Activity 2
Class and Object

Score

Submitted by:
Dela Cruz, Louis Philip C.
<SAT 7:00 AM> / <BSCS 2-YA-1>

Date Submitted
10-12-2022

Submitted to:

Engr. Maria Rizette H. Sayo

General Instruction:
1. Read the instructions first before solving the computing problems.
2. For the items with programming solutions, copy the link of your python program "Lab Activity 2" from your repository
3. Refer to the rubrics in grading each computing problem.

Problem 1. Examine the program below and create an appropriate flowchart (50 points)
(Note: You may use LucidChart or Word Processing tool)

Code:

```
n = 20

total_numbers = n

sum = 0

while n >= 0:

  sum += n

  n -= 1

print("sum =", sum)

average = sum / total_numbers

print("Average = ", average)
```
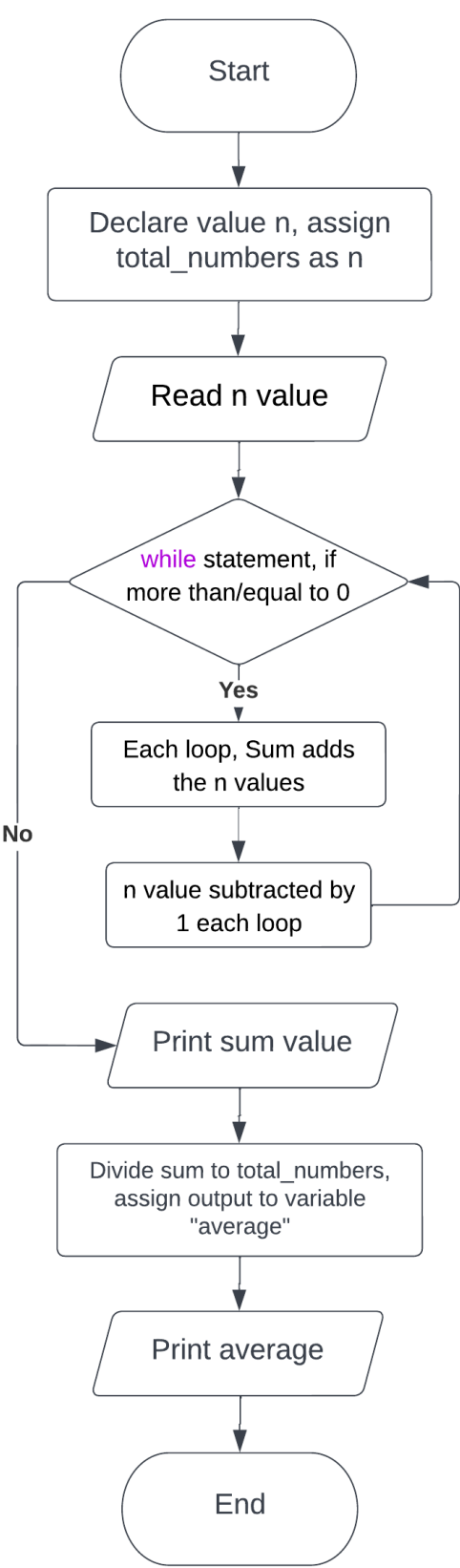
Flowchart:

Start

Declare value n, assign total_numbers as n

Read n value

while statement, if more than/equal to 0

Yes

Each loop, Sum adds the n values

No

n value subtracted by 1 each loop

Print sum value

Divide sum to total_numbers, assign output to variable "average"

Print average

End

Problem 2. (50 points)

1. Write a Python to display your full name, student number, age, and course
2. Create a class named Student with attributes: Name, Student_No, Age, School, and Course
3. Create an object name Myself and assign an instance for each attribute.
4. Create a method Info() using an instantiation of a class.
5. Insert your GitHub link "Lab Activity 2" from your repository named "OOP 1-1"

```python
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class Student:
  def __init__(self,name,number,age,school,course):
    self.name = name                    #attributes
    self.number = number
    self.age = age
    self.school = school
    self.course = course

Myself = Student("Louis Philip C. Dela Cruz", "0218-4404-772", 21, "Our Lady of Fatima University", "Computer Science")
print("My name is:",Myself.name)
print("Student Number:",Myself.number)
print("Age:",Myself.age)
print("School:",Myself.school)
print("Course:",Myself.course)
```

```
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```

```
My name is: Louis Philip C. Dela Cruz
Student Number: 0218-4404-772
Age: 21
School: Our Lady of Fatima University
Course: Computer Science
```