

Activity No. 2.1

Using Pseudo-code Statements and Flowchart Symbols

Course Code: CPE007

Program: Computer Engineering

Course Title: Programming Logic and Design

Date Performed: 7/31/25

Section: CPE11S1

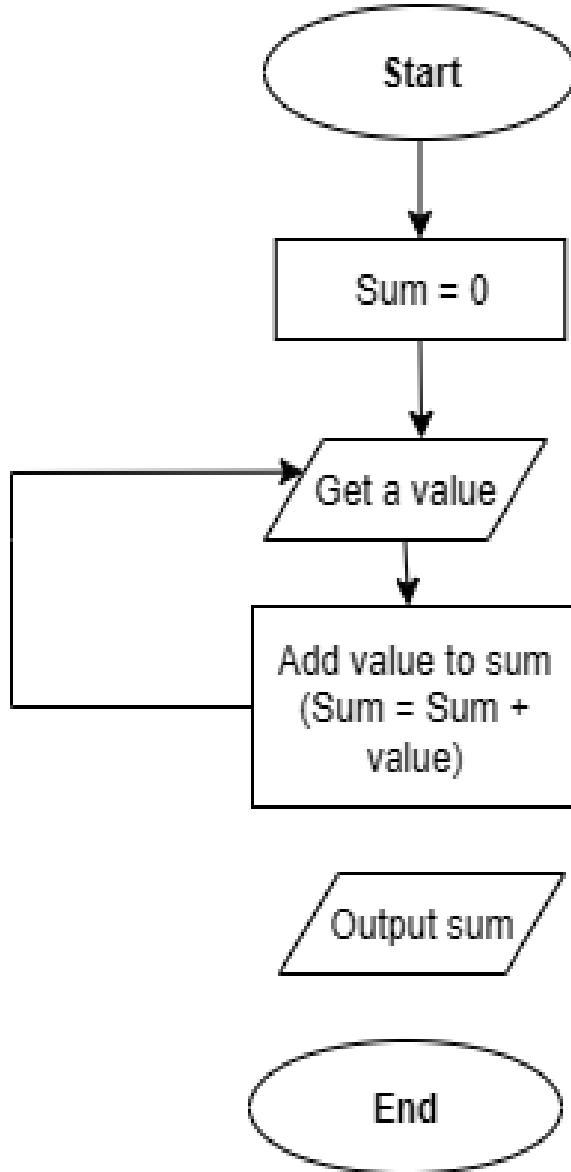
Date Submitted: 7/31/25

Name(s): Niel Vincent B. Condino

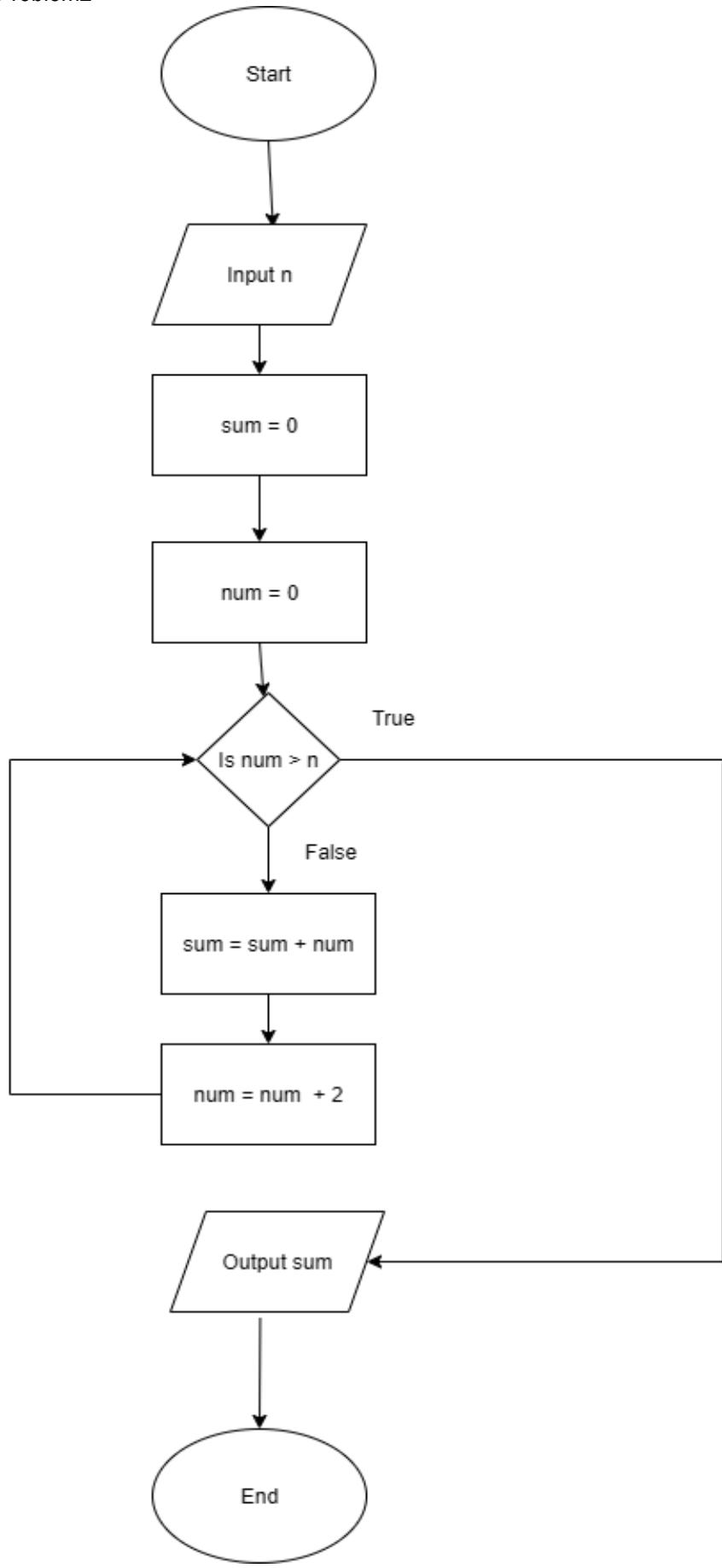
Instructor: Engr. Jimlord Quejado

6. Output

Problem1

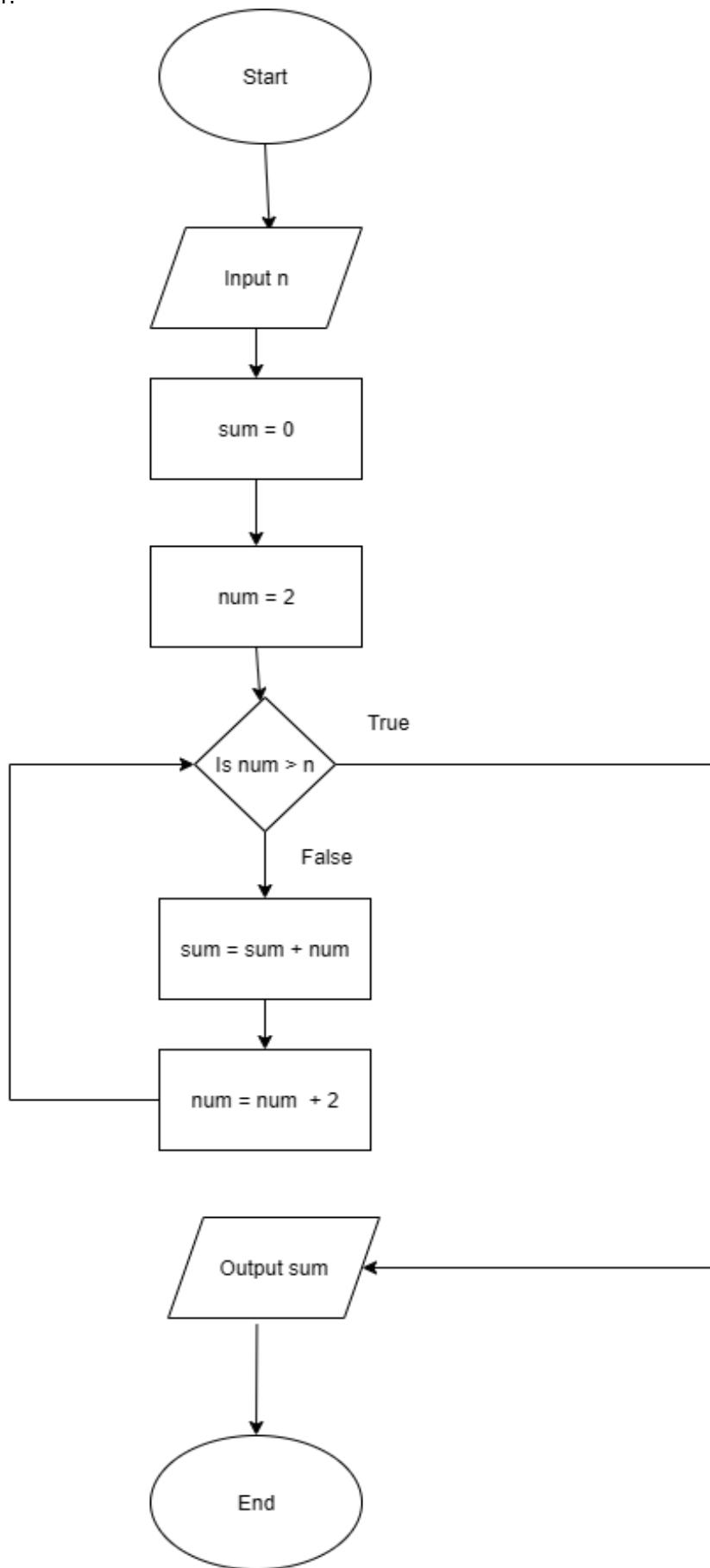


Problem2



7. Supplementary Activity

1.



```
start
set sum = 0
set num = 2
input a number and save it as n
if num is greater than n, go to step 9
add num to sum (sum = sum + num)
increase num by 2 (num = num + 2)
go back to step 4
display sum
end
```

2.

```
start
sum = 0
count = 0
get a value
add value to sum (sum = sum + value)
add 1 to count (count = count + 1)
if count < 100, go back to step 4
display sum
end
```

3.

```
start
get a value and save it as num1
get a value and save it as num2
if num1 > num2 then display num1
else display num2
end
```

4.

```
start
get a value and save it as num1
get a value and save it as num2
if num1 < num2 then display num1
else display num2
end
```

5.

```
start
get a value and save it as num1
get a value and save it as num2
get a value and save it as num3
if num1 > num2 and num1 > num3, then display num1
else if num2 > num1 and num2 > num3, then display num2
else display num3
end
```

6.

```
start
input a value
largestNum = value
```

```

timesLooped = 1
input a value
if value > largestNum then set largestNum = value
increase timesLooped by 1
if timesLooped < 100 then go back to step 5
output largestNum
end

```

8. Conclusion

I think this lesson about pseudocode and flowcharts can really help when designing a logic for a program. This can serve as a blueprint of how a program can work. This will not only make it easy for me but also for the others who might be helping on building a software in the future.

9. Assessment Rubric

Rubric for SO 7 (1)								Pts
Criteria	Ratings							
Ⓐ SO 7 PI 1 IILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent Educational interests and pursuits exist and flourish outside classroom requirements, knowledge and/or experiences are pursued independently and applies knowledge learned into practice	5 pts Good Educational interests and pursuits exist and flourish outside classroom requirements, knowledge and/or experiences are pursued independently	4 pts Satisfactory Look beyond classroom requirements, showing interest in pursuing knowledge independently	3 pts Unsatisfactory Begins to look beyond classroom requirements, showing interest in pursuing knowledge independently	2 pts Poor Relies on classroom instruction only	1 pts Very Poor No initiative or interest in acquiring new knowledge		6 pts
Ⓐ SO 7 PI 2 IILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent Completes an assigned task independently and practices continuous improvement	5 pts Good Completes an assigned task without supervision or guidance	4 pts Satisfactory Requires minimal guidance to complete an assigned task	3 pts Unsatisfactory Requires detailed or step-by-step instructions to complete a task	2 pts Poor Shows little interest to complete a task independently	1 pts Very Poor No interest to complete a task independently		6 pts
Ⓐ SO 7 PI 3 IILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent Synthesizes and integrates information from a variety of sources; formulates a clear and precise perspective; draws appropriate conclusions	5 pts Good Evaluate information from a variety of sources; formulates a clear and precise perspective.	4 pts Satisfactory Analyze information from a variety of sources; formulates a clear and precise perspective.	3 pts Unsatisfactory Apply the gathered information to formulate the problem	2 pts Poor Gather and summarized the information from a variety of sources but failed to formulate the problem	1 pts Very Poor Gather information from a variety of sources		6 pts
Ⓐ SO 7 PI 4 IILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent Ideas are combined in original and creative ways in line with the new and emerging technology trends to solve a problem or address an issue.	5 pts Good Ideas are creative and adapt the new knowledge to solve a problem or address an issue	4 pts Satisfactory Ideas are creative in solving a problem, or address an issue	3 pts Unsatisfactory Shows some creative ways to solve the problem	2 pts Poor Shows initiative and attempt to develop creative ideas to solve the problem	1 pts Very Poor Ideas are copied or restated from the sources consulted		6 pts
								Total Points: 24