

Activity No. 1

Using Pseudo-Code statements and Flow Charts

Course Code: CPE010

Program: Computer Engineering

Course Title: Data Structures and Algorithms

Date Performed: July 31 2025

Section: CPE11S1

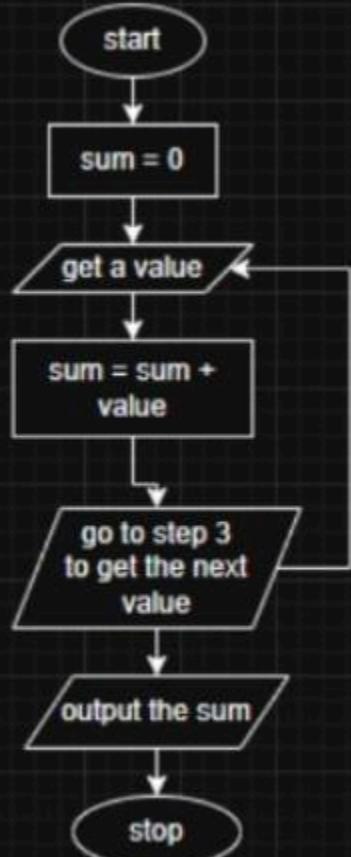
Date Submitted: August 1 2025

Name(s): LOPEZ, ANDREI DION C.

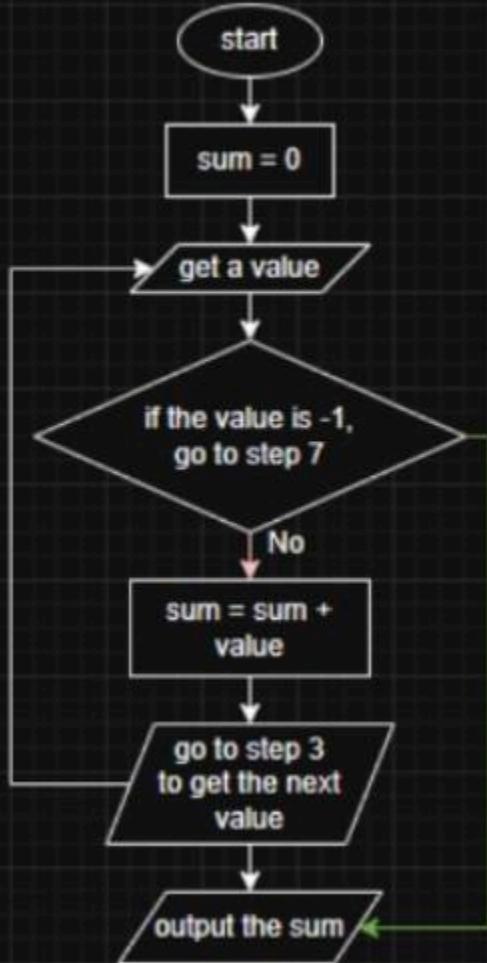
Instructor: Sir Jimlord

6. Output

Problem 1:



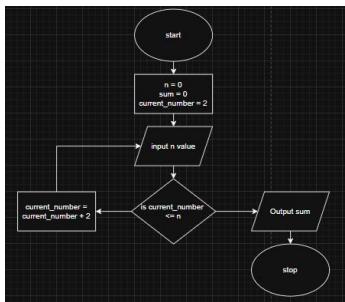
Problem 2:



7. Supplementary Activity

Problem 1:		
<pre> start n = 0 sum = 0 current_number = 2 get an even number for n check if current_number <= n if so proceed to step 5 if not go to step 8 sum = sum + current_number current_number = current_number + 2 go back to step 4 output sum stop </pre>		
Problem 2:	Problem 3:	Problem 6:
<pre> start sum = 0 value_amount = 0 get a value sum = sum + value value_amount = value_amount + 1 check if value_amount = 100 if not go back to step 3 if so proceed to step 7 output sum stop </pre>	<pre> start n1 = 0 n2 = 0 get a value for n1 get a value for n2 if n1 > n2 output n1 else output n2. stop </pre>	<pre> start i = 0 amount = 0 n = i get a number for i amount = amount + i n = i check if amount = 100 if so proceed to step 7 if not go back to step 3 output n stop </pre>
Problem 4:	Problem 5:	
<pre> start n1 = 0 n2 = 0 get a value for n1 get a value for n2 if n1 < n2 output n1 else output n2. stop </pre>	<pre> start n1 = 0 n2 = 0 n3 = 0 get a value for n1 get a value for n2 get a value for n3 if n1 > n2, n3 output n1 else if n2 > n1, n3 output n2 else output n3 stop </pre>	

Problem 1: Flow Chart



8. Conclusion

9. Assessment Rubric