

Write a pseudocode to calculate the sum of all integers from 1 to a given positive integer N

```
FUNCTION CalculateSumOfIntegers(N)
  IF N IS NOT AN INTEGER OR N <= 0 THEN
    PRINT "Error: Input must be a positive integer."
    RETURN "Invalid Input"
  END IF

  sum_result = 0

  FOR i FROM 1 TO N
    sum_result = sum_result + i
  END FOR

  PRINT "The sum of integers from 1 to " + N + " is: " +
sum_result

  RETURN sum_result
END FUNCTION
```