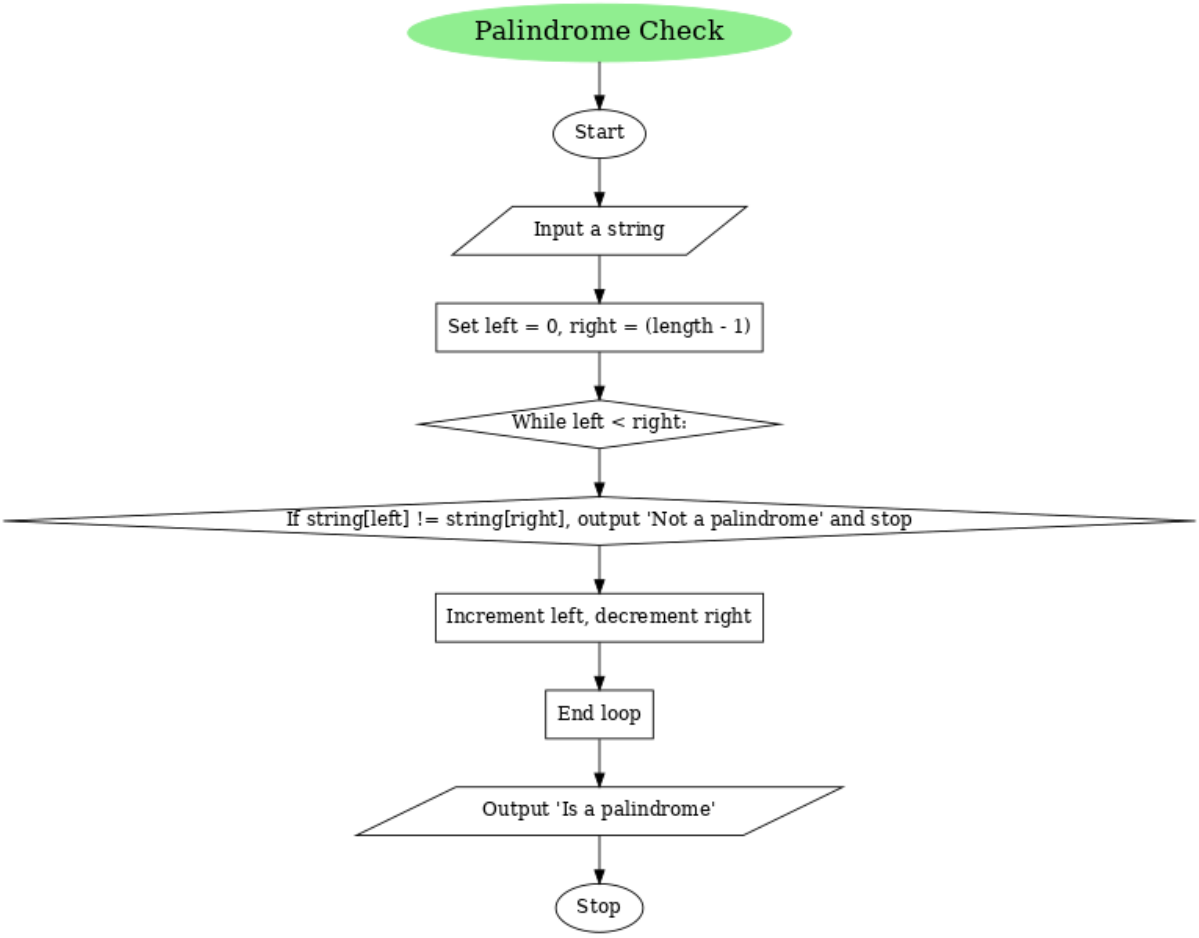
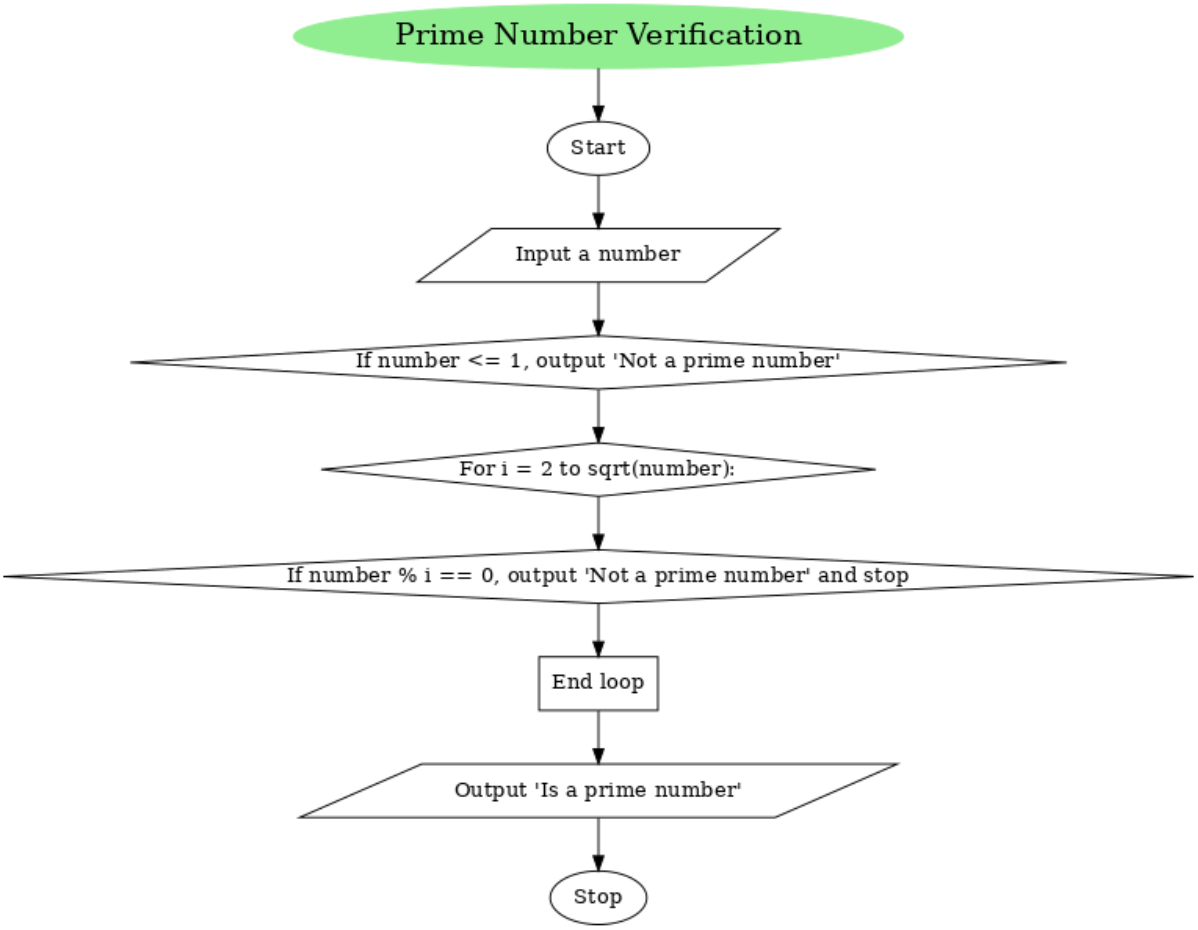
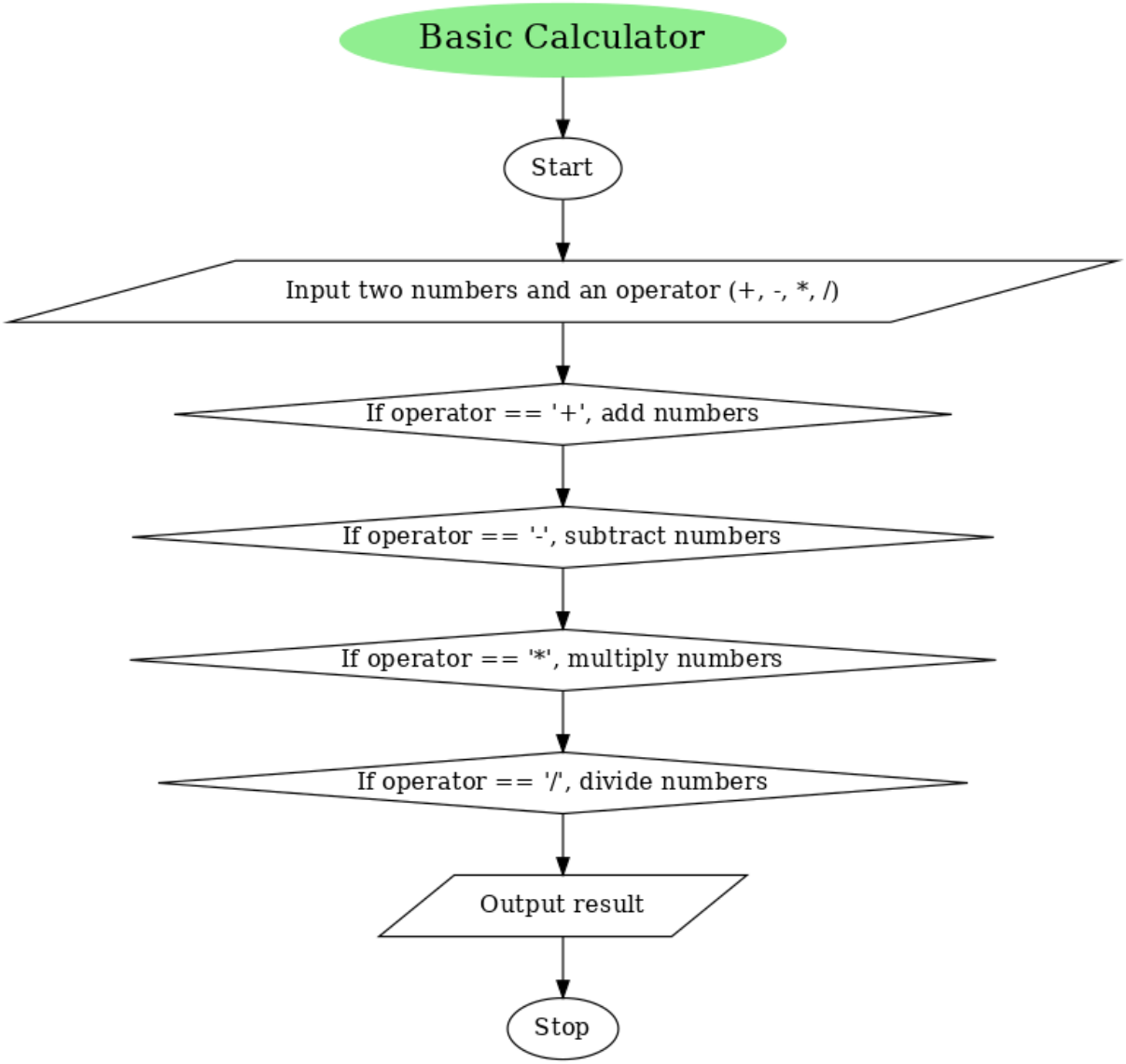
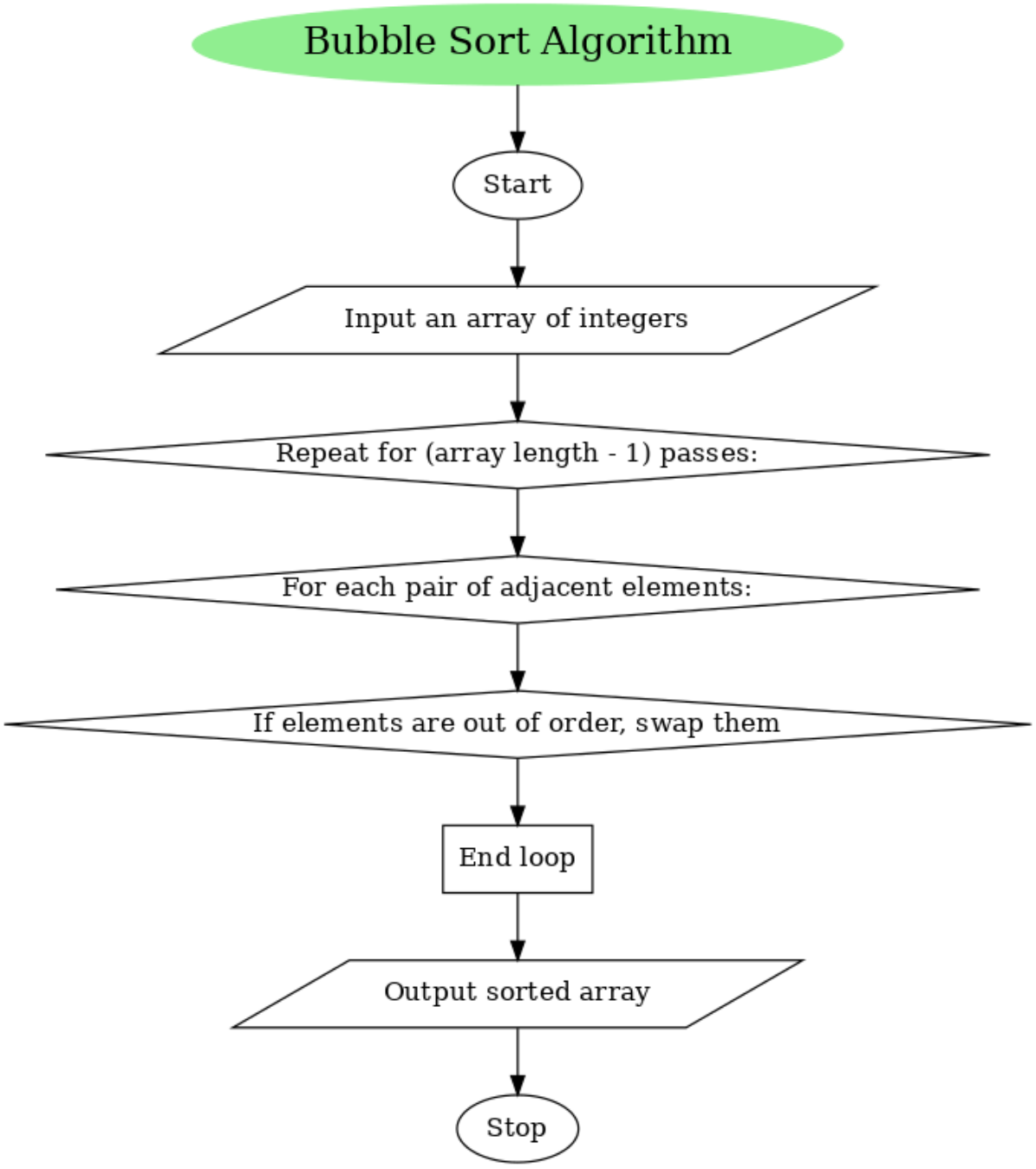
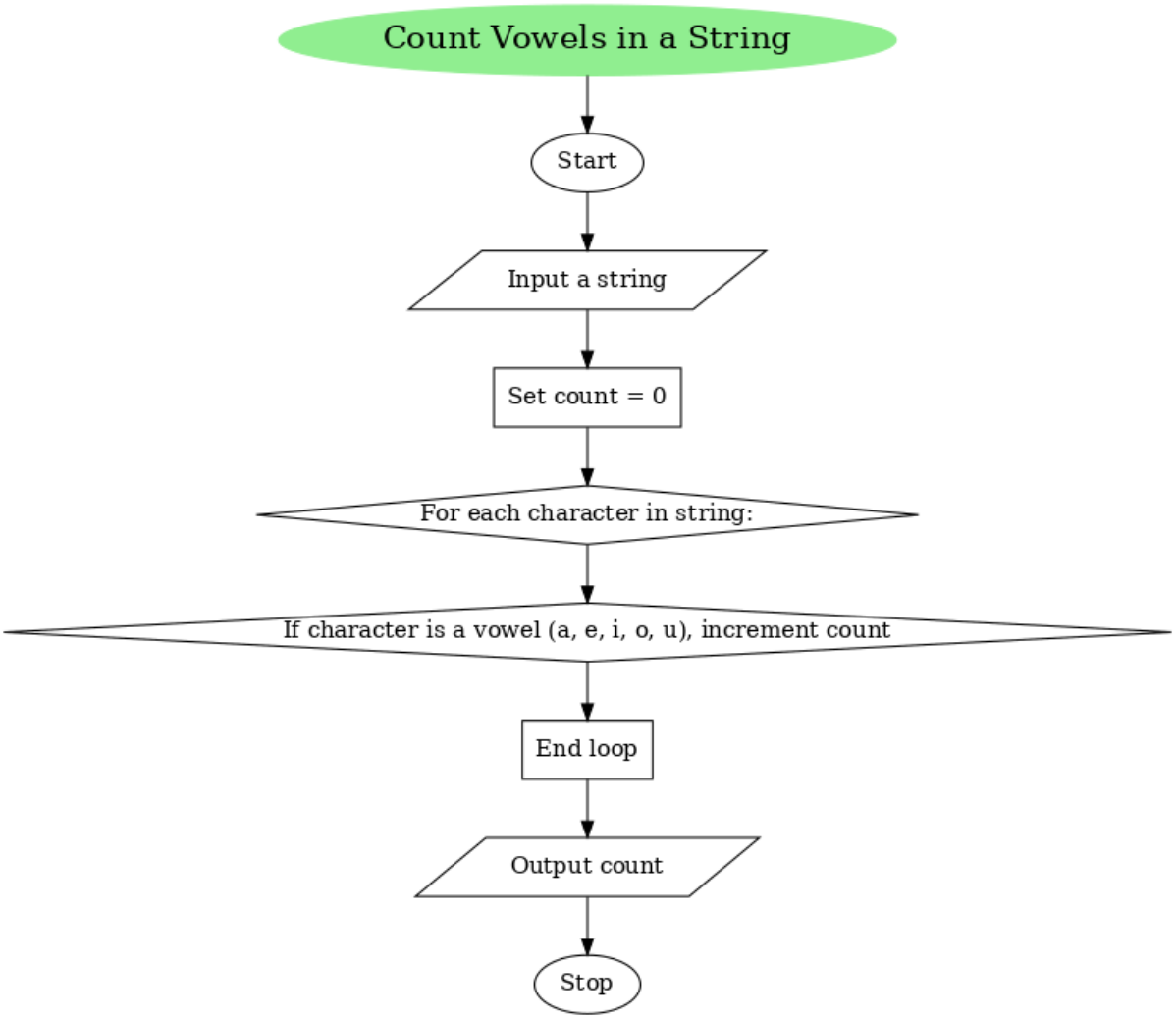
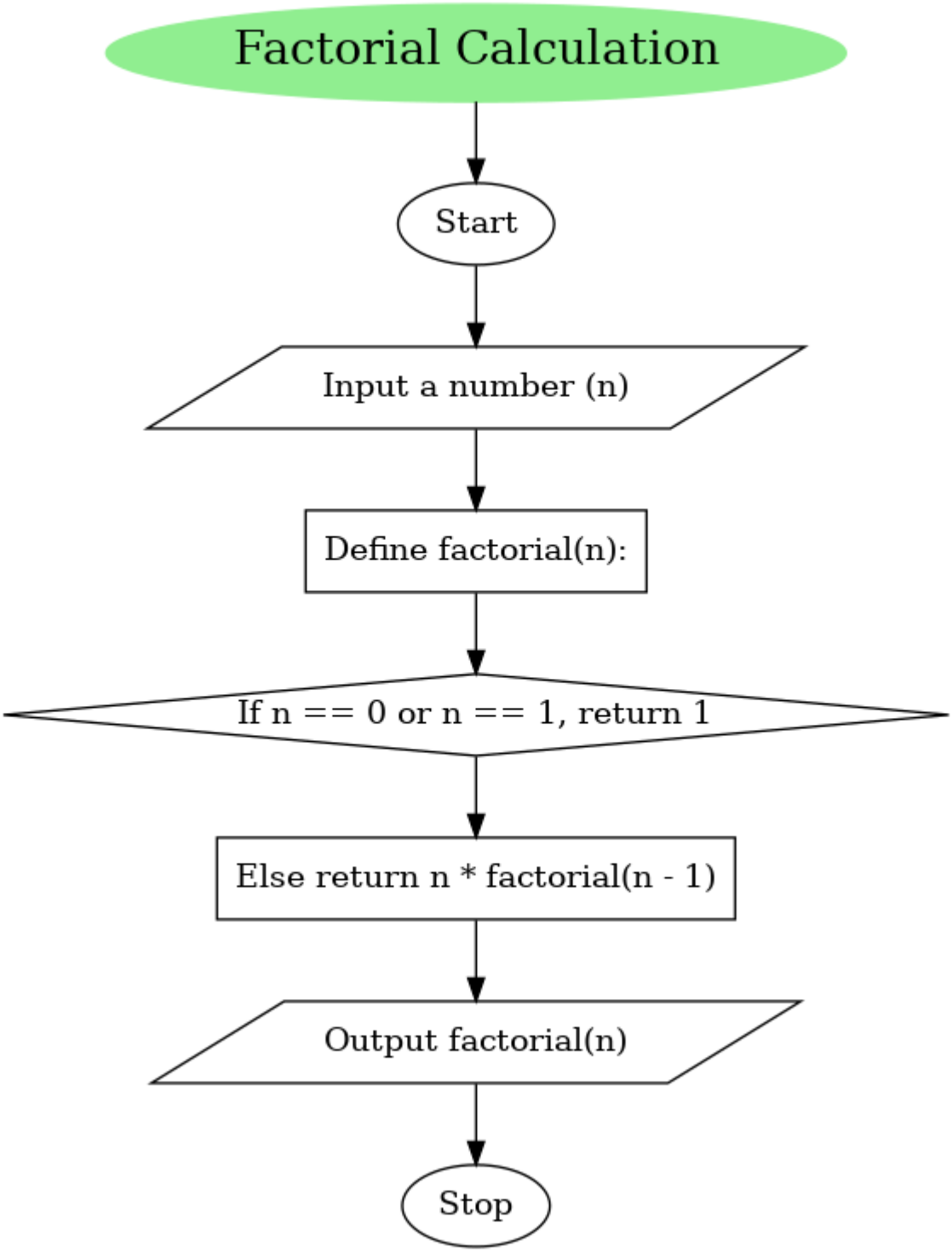

Palindrome Check
Start
Input a string
Set left = 0, right = (length - 1)
While left < right:
If string[left] != string[right], output 'Not a palindrome' and stop
Increment left, decrement right
End loop
Output 'Is a palindrome'
Stop

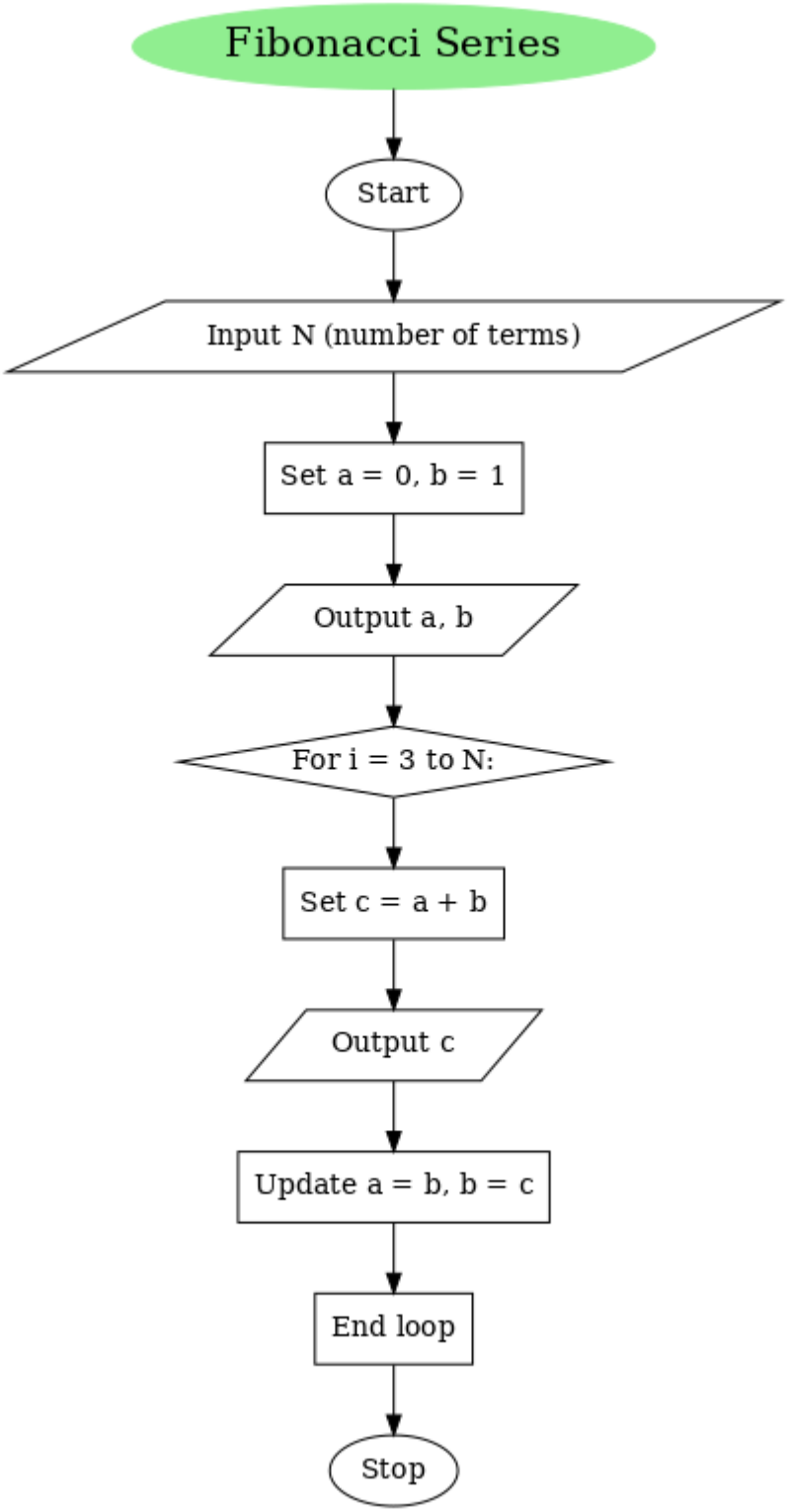

Prime Number Verification
Start
Input a number
If number <= 1, output 'Not a prime number'
For i = 2 to sqrt(number):
If number % i == 0, output 'Not a prime number' and stop
End loop
Output 'Is a prime number'
Stop

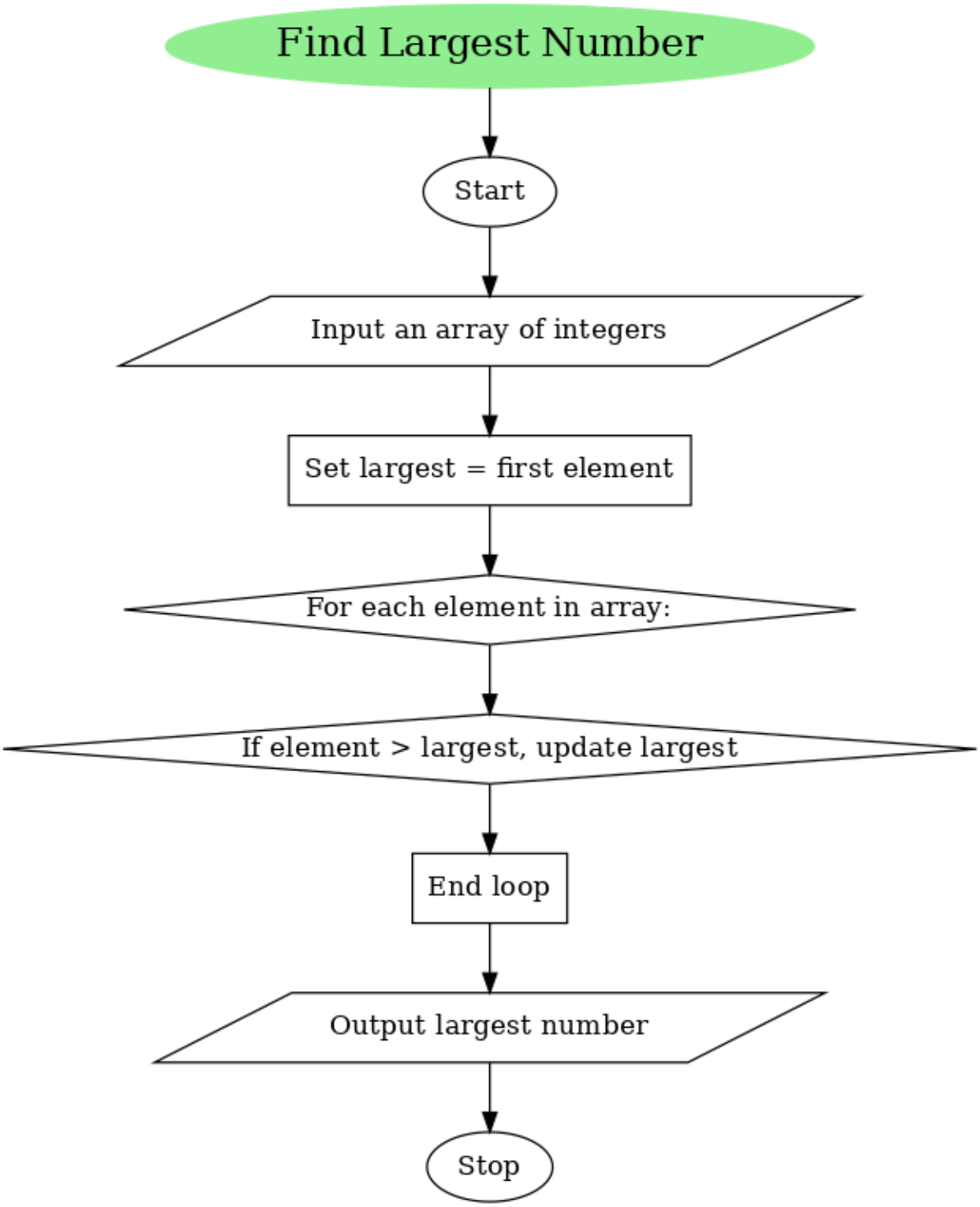

Basic Calculator
Start
Input two numbers and an operator (+, -, *, /)
If operator == '+', add numbers
If operator == '-', subtract numbers
If operator == '*', multiply numbers
If operator == '/', divide numbers
Output result
Stop


Bubble Sort Algorithm
Start
Input an array of integers
Repeat for (array length - 1) passes:
For each pair of adjacent elements:
If elements are out of order, swap them
End loop
Output sorted array
Stop


Count Vowels in a String
Start
Input a string
Set count = 0
For each character in string:
If character is a vowel (a, e, i, o, u), increment count
End loop
Output count
Stop


Factorial Calculation
Start
Input a number (n)
Define factorial(n):
If n == 0 or n == 1, return 1
Else return n * factorial(n - 1)
Output factorial(n)
Stop


Fibonacci Series
Start
Input N (number of terms)
Set a = 0, b = 1
Output a, b
For i = 3 to N:
Set c = a + b
Output c
Update a = b, b = c
End loop
Stop


Find Largest Number
Start
Input an array of integers
Set largest = first element
For each element in array:
If element > largest, update largest
End loop
Output largest number
Stop