Recursion- When a function calls itself

Base Case- When the recursive function ends.

Task 1:

The fibonacci sequence is a famous bit of mathematics, and it happens to have a recursive definition. The first two values in the sequence are 0 and 1 (essentially 2 base cases). Each subsequent value is the sum of the previous two values, so the whole sequence is: 0, 1, 1, 2, 3, 5, 8, 13, 21 and so on. Define a recursive fibonacci(n) method that returns the nth fibonacci number, with n=0 representing the start of the sequence.

Allow the user to input n.

ex. n = 8

0, 1, 1, 2, 3, 5, 8, 13

ex. n = 9

0, 1, 1, 2, 3, 5, 8, 13, 21

Use return method

Need “programmer created class structure”

Use main to control the program

LOOKING FOR THE SUM NOT THE SEQUENCE

Attach Snipping photos of source code and output.