

```
1  /**
2   * Recursive implementaion that lists the first 25 Fibonacci numbers
3   */
4  #include <cs50.h>
5  #include <stdio.h>
6
7  #define N 50
8
9  int fibo(int n);
10
11 int main(void)
12 {
13     // Print the fibo numbers out
14     printf("The first %i numbers in the Fibonacci series are: \n", N);
15
16     for (int i = 0 ; i < N; i++)
17     {
18         printf("%i  ", fibo(i));
19     }
20
21     printf("\n");
22 }
23
24 /**
25  * Return the nth Fibonacci number, recursively
26  */
27 int fibo(int n)
28 {
29     // Base case
30     if (n <= 1)
31         return n;
32
33     // Recursive case
34     else
35         return fibo(n - 1) + fibo(n - 2);
36
37 }
```