```
/**
 1
 2
     * Non-recursive implemenation that lists the first 25 Fibonacci numbers
 3
    #include <cs50.h>
    #include <stdio.h>
 6
 7
    #define N 25
 8
9
    int main(void)
10
11
        // declare the array, and store the first two values
12
        int fibo[N];
        fibo[0] = 0;
13
        fibo[1] = 1;
14
15
        // calculate and store the next 23 values
16
        for (int i = 2; i < N; i++)
17
        {
18
            fibo[i] = fibo[i - 1] + fibo[i - 2];
19
20
        // print the entire series
        printf("The first %d numbers in the Fibonacci series are: \n", N);
21
22
        for (int i = 0; i < N; i++)
23
        {
            printf("%i ", fibo[i]);
24
25
26
        printf("\n");
27
    }
```