

```
1  #include<stdio.h>
2
3  int Fibonacci(int num)
4  {
5      if(num == 0)
6      {
7          return 0;
8      }
9      else if(num == 1)
10     {
11         return 1;
12     }
13     else
14     {
15         return (Fibonacci(num - 1) + Fibonacci(num - 2));
16     }
17 }
18
19 int main()
20 {
21     printf("##### FIBONACCI NUMBERS WITH RECURSION ALGORITHM TESTING #####\n");
22     int num;
23     while(1)
24     {
25         printf("\nEnter a non negative number: ");
26         scanf("%d", &num);
27         if(num >= 0)
28         {
29             break;
30         }
31     }
32
33     printf("\n\nFibonacci number of position %d is = %d",num,Fibonacci(num));
34     printf("\n\n");
35     return 0;
36 }
```