

```
1 //
2 // RecursiveFunction.c
3 //
4 //
5 // Created by ASTROMEDICOMP on 31/05/20.
6 //
7
8 #include <stdio.h>
9
10 int main(int argc, char *argv[], char *envp[])
11 {
12     // variable declarations
13     unsigned int num;
14
15     // function prototype
16     void recursive(unsigned int);
17
18     // code
19     printf("\n\n");
20     printf("Enter Any Number : \n\n");
21     scanf("%u", &num);
22
23     printf("\n\n");
24     printf("Output Of Recursive Function : \n\n");
25
26     recursive(num);
27
28     printf("\n\n");
29     return(0);
30 }
31
32 void recursive(unsigned int n)
33 {
34     // code
35     printf("n = %d\n", n);
36
37     if(n > 0)
38     {
39         recursive(n - 1);
40     }
41 }
42
43
```