

main.c

```
1 #include <stdio.h>
2 int fibonacci(int n) {
3     if(n == 0)
4         return 0;
5     else if(n == 1)
6         return 1;
7     else
8         return fibonacci(n-1) + fibonacci(n-2);
9 }
10
11 int main() {
12     int n;
13
14     printf("Enter n: ");
15     scanf("%d", &n);
16
17     printf("Fibonacci number = %d", fibonacci(n));
18
19     return 0;
20 }
```



Run

Output

```
Enter n: 10
Fibonacci number = 55
```

== Code Execution Successful ==



29

2018 June  
Friday

Sun	Mon	Tue	Wed	Thu	Fri	Sat	2018
6	7	1	2	3	4	5	
13	14	8	9	10	11	12	
20	21	15	16	17	18	19	
27	28	29	30	31			

3) #include <stdio.h>  
int fibonacci (int n);  
if ( $n \geq 0$ )  
 return;  
else if ( $n \geq 1$ )  
 return 1;  
else  
 return fibonacci(n-1) + fibonacci(n-2);  
int main()  
 int n;  
 printf ("Enter n: ");  
 scanf ("%d", &n);  
 printf ("Fibonacci number = %d", fibonacci(n));  
 return 0;  
}

30

Saturday

Enter n: 10  
Fibonacci number = 55.