Programiz C Online Compiler

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main.c

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```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 int main(){
11     int n;
12     printf("enter number:");
13     scanf("%d",&n);
14     printf("fibonacci = %d",fibonacci(n));
15     return 0;
16 }
```

Output

Clear

```
enter number:12
fibonacci = 144

=== Code Execution Successful ===
```

22°C
Mostly cloudy

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01:17
15-02-2026

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    int fibonacci (int n){
    if (n==0)
    return 0;
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    return fibonacci(n-1) + fibonacci (n-2);
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    int main(){
    int n;
    printf("Enter number:");
    scanf("%d", &n);
    printf("fibonacci = %d", fibonacci(n));
```

```
return 0;
}
```