

Online C Compiler - Programiz

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main.c

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Run

```
1 #include <stdio.h>
2 int factorial(int n){
3     if(n==0||n==1)
4         return 1;
5     else
6         return n * factorial(n-1);
7 }
8 int main(){
9     int num;
10    printf("enter a number:");
11    scanf("%d",&num);
12    printf("factorial = %d",factorial(num));
13    return 0;
14 }
```

Output

Clear

```
enter a number:12
factorial = 479001600

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

21°C
Partly cloudy

Search

ENG
IN

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15-02-2026

//_

```

*) #include <stdio.h>
   int factorial (int n) {
       if (n == 0 || n == 1)
           return 1;
       else
           return n * factorial(n-1);
   }

   int main() {
       int num;
       printf("Enter a number:");
       scanf("%d", &num);
       printf("factorial = %d", factorial(num));
       return 0;
   }

```