

Online C Compiler - Programiz

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Programiz C Online Compiler

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main.c

```
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 }
```

Run

Output

```
enter a number:12
factorial = 479001600
*** Code Execution Successful ***
```

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```
*) #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;
}
```