



C Online Compiler



main.c



Run

Output

Clear

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

Enter a number: 10  
Factorial = 3628800  
==== Code Execution Successful ===

2) write a program to find the factorial of a number using recursion.

=> O/P

```
#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;
}
```

O/P

Enter a number : 10  
Factorial = 3628800

2 channels for admin net.  
2 S 1 channel net.  
2 channels logical  
2 channels logical