



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 of %d = %d\n", num, factorial(num));
17
18     return 0;
19 }
```

Enter a number: 9
Factorial of 9 = 362880

==== Code Execution Successful ===

Q2: To find the factorial of a number.

I/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