

main.c



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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