



main.c



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Output

```
1 #include <stdio.h>
2 int main() {
3     int n, i;
4     int fact = 1;
5     printf("Enter a number: ");
6     scanf("%d", &n);
7     for(i = 1; i <= n; i++) {
8         fact = fact * i;
9     }
10    printf("Factorial = %d", fact);
11    return 0;
12 }
```

Enter a number: 8

Factorial = 40320

==== Code Execution Successful ===

2>

Write a program to find the factorial of a number using recursion.

3>

```
#include <stdio.h>
int main() {
    int n, i;
    int fact = 1;
    printf ("Enter a number: ");
    scanf ("%d", &n);
    for (i=1; i<=n; i++) {
        fact = fact * i;
    }
    printf ("Factorial = %d", fact);
    return 0;
}
```

Output :

Enter a number : 8

Factorial = 40320.