

```
1. #include<stdio.h>
2.
3. long factorial(int n)
4. {
5.     if (n == 0)
6.         return 1;
7.     else
8.         return(n * factorial(n-1));
9. }
10.
11. void main()
12. {
13.     int number;
14.     long fact;
15.     printf("Enter a number: ");
16.     scanf("%d", &number);
17.
18.     fact = factorial(number);
19.     printf("Factorial of %d is %ld\n", number, fact);
20.     return 0;
21. }
```