

LAB/factorial.c

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1 //Program for finding factorial of a given number using recursion
2 #include <stdio.h>
3 int factorial(int n) {
4     if(n == 0 || n == 1) {
5         return 1;
6     }
7     return n * factorial(n - 1);
8 }
9 int main() {
10     int num;
11     printf("Enter a number: ");
12     scanf("%d", &num);
13     if(num < 0) {
14         printf("Factorial is not defined for negative numbers.\n");
15     } else {
16         printf("Factorial of %d is %d\n", num, factorial(num));
17     }
18     return 0;
19 }
```