

fact2.c

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i = 1;
5     int factorial = 1;
6     printf("Enter a non-negative integer: ");
7     scanf("%d", &n);
8
9     // Check if the number is negative
10    if (n < 0) {
11        printf("Error: Factorial is not defined for negative numbers.\n");
12    } else {
13        do {
14            factorial = factorial * i;
15            i++;
16        } while (i <= n);
17        printf("Factorial of %d is %d \n", n, factorial);
18    }
19
20    return 0;
21}
22}
```