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#include <stdio.h>

long long factorial(int n) {
    if (n == 0 || n == 1)
        return 1;
    else
        return n * factorial(n - 1);
}

int main() {
    int num;

    printf("Enter a positive integer: ");
    scanf("%d", &num);

    if (num < 0)
        printf("Factorial is not defined for negative numbers.\n");
    else {
        long long result = factorial(num);
        printf("Factorial of %d is %lld\n", num, result);
    }

    return 0;
}
```

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Enter a positive integer: 5

Factorial of 5 = 120

Process exited after 2.295 seconds with return value 0

Press any key to continue . . . |