```c
#include <stdio.h>

int main() {
    int number, i;
    unsigned long long factorial = 1;

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

    // Error if the user enters a negative integer
    if (number < 0) {
        printf("Error: Factorial of a negative number doesn't exist.");
    } else {
        for (i = 1; i <= number; ++i) {
            factorial *= i;
        }
        printf("Factorial of %d = %llu", number, factorial);
    }

    return 0;
}
```