

Functions

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#include <stdio.h>

// Function to calculate the factorial of a number
void calculateFactorial(int num) {
    int fact = 1;
    for (int i = 1; i <= num; i++) {
        fact *= i;
    }
    printf("Factorial of %d is %d\n", num, fact);
}

// Function to calculate the sum of two numbers
int calculateSum(int num1, int num2) {
    return num1 + num2;
}

int main() {
    int num1, num2;

    // Input for factorial calculation
    printf("Enter a number to calculate its factorial: ");
    scanf("%d", &num1);
    calculateFactorial(num1);

    // Input for sum calculation
    printf("Enter two numbers to calculate their sum: ");
    scanf("%d %d", &num1, &num2);
    int sum = calculateSum(num1, num2);
    printf("Sum of %d and %d is %d\n", num1, num2, sum);

    return 0;
}
```