

Shared Chat • Default (GPT-3.5)

```
int main() {  
    // Declare variables  
    int num1, num2, sum;  
  
    // Take input from user  
    printf("Enter first number: ");  
    scanf("%d", &num1);  
  
    printf("Enter second number: ");  
    scanf("%d", &num2);  
  
    // Calculate the sum  
    sum = num1 + num2;  
  
    // Display the result  
    printf("The sum of %d and %d is %d\n", num1, num2, sum);  
  
    return 0;  
}
```

Here's how the program works:

1. It includes the necessary header file `stdio.h` for standard input/output operations.
2. `main()` is the entry point of the program.
3. It declares three integer variables: `num1`, `num2`, and `sum`.
4. The program prompts the user to enter the first and second numbers using `printf` and reads the input using `scanf`.
5. It calculates the sum of `num1` and `num2` and stores the result in the variable `sum`.
6. Finally, it prints out the result using `printf`.

You can compile and run this program using a C compiler. When you run the program, it will ask you to enter two numbers, and then it will display their sum.

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