

calculator.c

```
#include <stdio.h>

int main() {
    int choice;
    float num1, num2, result;

    printf("Simple Calculator\n");
    printf("-----\n");
    printf("1. Addition\n");
    printf("2. Subtraction\n");
    printf("3. Multiplication\n");
    printf("4. Division\n");

    printf("Enter your choice (1-4): ");
    scanf("%d", &choice);

    printf("Enter first number: ");
    scanf("%f", &num1);

    printf("Enter second number: ");
    scanf("%f", &num2);

    switch(choice) {
        case 1:
            result = num1 + num2;
            printf("Result: %.2f\n", result);
            break;

        case 2:
            result = num1 - num2;
            printf("Result: %.2f\n", result);
            break;

        case 3:
            result = num1 * num2;
            printf("Result: %.2f\n", result);
            break;

        case 4:
            if(num2 != 0)
                printf("Result: %.2f\n", num1 / num2);
            else
                printf("Error! Division by zero.\n");
            break;

        default:
            printf("Invalid choice!\n");
    }

    return 0;
}
```