

2 Mini Projects

Mini Project: Simple Calculator

Problem:

1. Ask the user to enter **two numbers**.
2. Ask the user to choose an **operation**: +, -, *, /.
3. Perform the operation using **if-else** and display the result.

Sample Input 1:

```
Enter first number: 10
Enter second number: 5
Enter operation (+ - * /): +
```

Sample Output 1:

```
Result: 15.00
```

Sample Input 2:

```
Enter first number: 8
Enter second number: 2
Enter operation (+ - * /): /
```

Sample Output 2:

```
Result: 4.00
```

Sample Input 3 (error):

```
Enter first number: 5
Enter second number: 0
Enter operation (+ - * /): /
```

Sample Output 3:

```
Error: Division by zero!
```

Mini Project: Favorite Fruits Checker

Problem:

1. Store 5 favorite fruits in an array.
2. Ask the user to enter a fruit name.
3. Check if the fruit is in the favorite list.
4. Print “Yes, it’s a favorite!” or “No, not in the list.”

Sample Input:

Enter a fruit name: Mango

Sample Output:

Yes, it's a favorite!

Sample Input:

Enter a fruit name: Pineapple

Sample Output:

No, not in the list.