

CS225 Lab: Adding Fractions

Create application “Adding Fractions”

Write a program that input two simple fractions in the form a/b and c/d , and outputs their sum in the form p/q reduced to its simplest form.

User Requirements

- The user will enter two fractions in the following order: numerator 1, denominator 1, numerator 2, and denominator 2.
- The output must display a fraction in simple or mixed fraction form (i.e., improper fraction form is not acceptable).

```
Enter numerator 1: 5
Enter denominator 1: 6

Enter numerator 2: 1
Enter denominator 2: 10

5/6 + 1/10 = 14/15
```

```
Enter numerator 1: 4
Enter denominator 1: 5

Enter numerator 2: 3
Enter denominator 2: 5

4/5 + 3/5 = 1 2/5
```

```
Enter numerator 1: 2
Enter denominator 1: 9

Enter numerator 2: 16
Enter denominator 2: 18

2/9 + 16/18 = 1 1/9
```

Software Requirements

- You must create a function called **addFractions** that returns nothing and receives the user's numerator and denominator input values.
 - This function will add the fractions and display the appropriate results (i.e., a simple or mixed fraction)
 - Note that the function is not permitted to display an improper fraction.