## Day 18 coding Statement : Write a program to Add two fractions

**Program:**

```
import java.util.*;
public class Day18 {
   public static void main(String[] args) {
      Scanner sc = new Scanner(System.in);
      int x1 = sc.nextInt();
      int y1 = sc.nextInt();
      int x2 = sc.nextInt();
      int y2 = sc.nextInt();

      int x3 = (x1 * y2) + (x2 * y1);
      int y3 = y1 * y2;

      int gcd = 1;
      for (int i = 1; i <= x3 && i <= y3; i++) {
         if (x3 % i == 0 && y3 % i == 0) {
            gcd = i;
         }
      }

      x3 /= gcd;
      y3 /= gcd;

      System.out.println(x3 + "/" + y3);
   }
}
```

## Output: