```c
#include <stdio.h>
int main()
{
    int a, b,c,d,x,y,i,gcd;
    printf("Enter the numerator for 1st number :\n");
    scanf("%d",&a);
    printf("Enter the denominator for 1st number :\n");
    scanf("%d",&b);
    printf("Enter the numerator for 2nd number :\n");
    scanf("%d",&c);
    printf("Enter the denominator for 2nd number :\n");
    scanf("%d",&d);
    x=(a*d)+(b*c);
    y=b*d;
    for(i=1; i <= x && i <= y; ++i)
    {
        if(x%i==0 && y%i==0)
            gcd = i;
    }
    printf("The added fraction is %d/%d\n",x/gcd,y/gcd);
    printf("\n");
    return 0;
}
```

0:0

Open File

Custom Input

```
1 2 5 9
```

Status Successfully executed **Date** 2020-06-02 13:38:22 **Time** 0 sec M

Input

```
1 2 5 9
```

Output

```
Enter the numerator for 1st number :
Enter the denominator for 1st number :
Enter the numerator for 2nd number :
Enter the denominator for 2nd number :
The added fraction is 19/18
```

2/6/20

TO find Sum of two Fractions

Algorithm:

1. start
2. Read the value of numerator 1, denominator 1, numerator 2, denominator 2.
3. x = (numerator 1 * denominator 2) + (denominator 1 * numerator 2)
4. Y = (denominator 1 * denominator 2)
5. for (c = 1; c <= x && c <= y; c++), if this condition becomes false go to step 7.
   (5.1) if (x % c == 0 && y % c == 0) if this condition becomes false go to step 5.
   (5.1.1) gcd = c.
6. repeat the step 5 until the condition becomes false.
7. Print "the added fraction" & display the two values of the condition x/gcd, y/gcd.
8. Stop.

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Flowchart: