```c
#include<stdio.h>
int main()
{
 int n1,d1,n2,d2,n3,d3,i,gcd;
 printf("enter the first fraction number:");
 scanf("%d/%d",&n1,&d1);
 printf("%d/%d\n",n1,d1);
 printf("enter the second fraction number:");
 scanf("%d/%d",&n2,&d2);
 printf("%d/%d\n",n2,d2);
 n3=(n1*d2)+(n2*d1);
 d3=d1*d2;
 for(i=1;i<=n3&&i<=d3;i++)
 {
   if(n3%i==0&&d3%i==0)
   gcd=i;
 }
 printf("added fraction are:%d/%d",n3/gcd,
        d3/gcd);
}
```

```
#include<stdio.h>
int main()
{
 int n1,d1,n2,d2,n3,d3,i,gcd;
```

INPUT

If your program needs any run time inputs, please add it here. Use new lines for more than one input.

4/2
20/10

Show Always Save Input

CANCEL RUN

```
enter the first fraction number:4/2
enter the second fraction number:
20/10
added fraction are:4/1
```

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'G' section

USN :- 4AL19CS062.

Write a 'C' Program to Add two fraction

$\Rightarrow$

Algorithm :-

Step 1 :- Start

Step 2 :- I/p n_1 & d_1

Step 3 :- I/p n_2 & d_2

Step 4 :- $n_3 = (n_1 * d_2) + (n_2 * d_1)$

Step 5 :- $d_3 = d_1 * d_2$

Step 6 :- Repeat for (i=1; i<=n3 && i<=3; i++)

if (n3 % i == 0 && d3 % i = 0)

gcd = i

End if

End for

Step 7 :- O/p n3/gcd ; d3/gcd;

Step 8 :- Stop.

Flowchart :—