

Sachin

4AL19CS078

'G' Section

Algorithm

Step 1: Start

Step 2: Declare variables, a, b, c, d, x, y, i, gcd .

Step 3: Enter the numerator & denominator for two numbers

Step 4: Initialize $x = (a * d) + (b * c)$;
 $y = (b * d)$

Step 5: Checking condition

for ($i = 1; i \leq x \ \&\& \ i \leq y; i++$)

{
 if ($x \% i == 0 \ \&\& \ y \% i == 0$)
 $gcd = i$
}

Step 6: Print the output

Step 7: Stop.

Flowchart

