

Q. Ask the user to enter two integer numbers. Check whether both the numbers are positive or not. If both the entered number are positive find the greatest common factor of two numbers otherwise display proper error message.

#### ALGORITHM

1. Start
2. Define num1, num2
3. Take input for num1, num2 as Integer
4. Check if  $\text{num1} == \text{num2}$ , if yes go to **Step 8**
5. Check if  $\text{num1} > \text{num2}$  if No go to **Step 7**
6.  $\text{num1} = \text{num1} - \text{num2}$  go to **Step 4**
7.  $\text{num2} = \text{num2} - \text{num1}$  go to **Step 4**
8. Print num1 "is the HCF/GCD"
9. Stop

