|  |  |  |
| --- | --- | --- |
| INPUT | OUTPUT | PROCESSING |
| Input the two numbers | Output whether these number are coprime or not | Using the GCD method |

**IPO**

**PSEUDOCODE**

Start

Print "input number 1 and 2, receptively (both numbers should not be same)"

Input Num1, Num2

If Num1 > Num2

Then Large = Num1

Small = Num2

Else

Large = Num2

Small = Num1

Remain = Large

Repeat

Remain = Large % Remain

If Remain != 0

Then Last = Remain

End If

Until Remain = 0

If Last = 1

Then Print "the two numbers entered are coprime”

Else

Print "the two numbers are not coprime"

ENd If

End

**FLOWCHART**



