ALGORITHM

• Step-1 :- START  
• Step-2 :- Create a class named as "Gcd".

• Srep-3 :- Create a constructor to initialize the instance variable int num1 and num2 with 0.

• Step-4 :- Create a void method "accept" to accept two nos. in num1 and num2 respectively.• Step-5 :- Create a int method "gcd" to calculate the gcd of the two nos. using recursive technique.• Step-6 :- Create a void method "display" to print the gcd of the two nos.

• Step-7 :- Create the "main" method to create a object and call "accept" and "display" methods.

• Step-8 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1  2  3 | num1  num2  x | int  int  int | Stores the first no.  Stores the second no.  Formal parameter for  function gcd()  Formal parameter for  function gcd()  Temporary variable for swaping num1 and num2 in display(), if num1 is  smaller than num2 |
| 4 | y | int |
| 5 | temp | int |

OUTPUT

