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ADVANCED JAVA TEST7

27/07/2021

Program:

```
import java.util.Scanner;
public class Test7 {
  public static void main(String args[]) {
    System.out.println("We are finding the gcd of the given numbers:");
    System.out.println("Enter the two values that to find its gcd");
    Scanner input = new Scanner(System.in);
    int x = input.nextInt();
    int y = input.nextInt();
    System.out.println(gcd(x, y));
    System.out.println("\nHere we are hardcoding the values of x and y as 63 and 42 respectively \n"+g
cd(63, 42));
    input.close();
  }
  public static int gcd(int a, int b){
    if (b==0){
       return a;
    }else{
      return gcd(b, a% b);
    }
```

```
}
```

Output:

```
C:\Users\MAHMOOD\Desktop\jprog\Test7.java - Notepad++
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           import java.util.Scanner;
        public class Test7 {
    public static void main(String args[]) {
        System.out.println("We are finding the god of the given numbers :");
        System.out.println("Enter the two values that to find its god");
        Scanner input = new Scanner(System.in);
        int x = input.nextInt();
        int y = input.nextInt();
        System.out.println(god(y, x));
        System.out.println(god(y, x));
}
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                       System.out.println(gcd(x, y));
                       System.out.println("\nHere input.close();
                                                               we are hardcoding the values of x and y as 63 and 42 respectively n"+gcd(63, 42);
                                                                                                                                                                                                             - - X
                                                                          Command Prompt
                }
public static int gcd(int a, int b){
   if (b=0){
     return a;
}else{
     return gcd(b, a% b);
                                                                          C:\Users\MAHMOOD\Desktop\jprog>Java Test7
We are finding the gcd of the given numbers :
Enter the two values that to find its gcd
75
50
25
                                                                          Here we are hardcoding the values of x and y as 63 and 42 respectively 21
                                                                          C:\Users\MAHMOOD\Desktop\jprog>Java Test7
We are finding the gcd of the given numbers :
Enter the two values that to find its gcd
26
                                                                          Here we are hardcoding the values of x and y as 63 and 42 respectively
21
                                                                             :\Users\MAHMOOD\Desktop\jprog>
Java source file
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```