**SOLUTION 8**

#include<iostream>

using namespace std;

int gcd(int a, int b) {

if(a==0)

return b;

if(b==0)

return a;

while(a != b) {

if(a>b)

{

a = a-b;

}

else{

b = b-a;

}

}

return a;

}

int main() {

int a,b;

cout << "Enter the Val of a and b"<<endl;

cin >> a >> b;

int ans = gcd(a,b);

cout << " The gcd of "<< a <<" & "<< b <<" is: "<<ans<<endl;

}

