**/\* 23. wap to calculate gcd of two numbers (ii) without recursion \*/**

using namespace std;

#include<iostream>

int main()

{

int g,c=1;

int n,d,n1,d1;

cout<<"Enter numerator ";

cin>>n;

cout<<"Enter denominator ";

cin>>d;

n1=n;

d1=d;

while(c!=0)

if(n>d)

{

g=d1;

c=n1%d1;

n1=d1;

d1=c;

}

else

{

g=n1;

c=d1%n1;

d1=n1;

n1=c;

}

n=n/g;

d=d/g;

cout<<"\ngcd is :- "<<g;

cout<<"\n Normalised form is :- "<<n<<"/"<<d<<"\n";

system("pause");

return 0;

}

Output :-

