**/\*(b)To calculate the GCD of 2 integer number\*/**

#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<time.h>

int gcd(int ,int );

void main()

{

int m,n,res,x;

clock\_t start,end;

double cpu\_time\_used;

clrscr();

printf("\n\nenter the value of m and n\n");

scanf("%d%d",&m,&n);

res=gcd(m,n);

printf("the gcd of %d&%d is%d",m,n,res);

end=clock();

cpu\_time\_used=((double)(end-start));

printf("\n cpu\_time\_used %f,cpu\_time\_used);

getch();

}

int gcd(int m,int n)

{

if(m==n)

return m;

if(m>n)

return(gcd(m-n,n));

else

return(gcd(n,m));

}