

```

#include<iostream>
#include<iomanip>
using namespace std;
int main ()
{
    //TASK 1
    int num1,num2,e,f,g,hcf,lcm;
    cout<<"enter first number ";
    cin>>num1;
    cout<<"enter second number ";
    cin>>num2;
    num1=e;
    num2=f;
    while (f!=0)
    {
        g=num2;
        num2=num1%num2;
        num1=g;
    }
    hcf=num1;
    lcm=(e*f)/hcf;

    cout<<"the hcf is "<<hcf<<endl;
    cout<<"the lcm is "<<lcm<<endl;

    //
    //
    //
    //    //TASK 2
    //    int a,b,d,n,sum;
    //    cout<<"enter first number of series ";
    //    cin>>a;
    //    cout<<"enter second number of sereis ";
    //    cin>>b;
    //    cout<<"enter total number of elements in series ";
    //    cin>>n;
    //    d=b-a;
    //    sum=(n/2)*(2*a+(n-1)*d);
    //    cout<<"the sum is equal to "<<sum<<endl;

    //TASK 3
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(1)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(3)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(5)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(7)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(9)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(7)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(5)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(3)<<"<<endl;
    cout<<"\t\t\t\t\t"<<setfill('*')<<setw(1)<<"<<endl;

    //TASK 4
    //    int dec,bin,ind;
    //    cout<<"enter your number ";
    //    cin>>dec;
    //    while (dec>=1)
    //    {
    //        ind=dec%2;

```

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//  cout<<ind;  
//  dec=dec/2;  
//  }  
  
    return 0;  
}
```