

```

#include<iostream>

#include<iomanip>

using namespace std;

int main ()
{

    //TASK 1

    int e,f,HCF,LCM;

    cout << "Enter the first number "<<endl;

    cin>>e;

    cout<<"Enter the second number "<<endl;

    cin>>f;

    if (f!=0){

        HCF=e%f;

    }

    LCM=(e*f)/HCF;

    cout<<"LCM is "<<LCM;

```

```

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

```
//TASK 4
```

```
int dec,bin,ind;

cout<<"enter your number ";

cin>>dec;

while (dec>=1)

{

ind=dec%2;

cout<<ind;

dec=dec/2;

}

return 0;

}
```

The collective console is:

```
Enter the first number 1
Enter the second number 2
LCM is 2
enter first number of series 2
enter second number of sereis 3
enter total number of elements in series 5
the sum is equal to 16
    *
  ***
 *****
*****
*****
*****
*****
  ***
    *

enter your number 23
number in binary is11101
-----
Process exited after 33.73 seconds with return value 0
Press any key to continue . . .
```