



Manual5 - Hometasks

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CLASS:ME-15(c)

HOMETASK1:

```
#include <iostream>

using namespace std;

int main(){

    int n1,n2,hcf = 1,lcm = 1,i;

    cout << "Enter two numbers:";

    cin >> n1>> n2;

    for (i=1;i<=n1;i++)    {

        if ( n1%i==0 && n2%i==0){

            hcf = i;

        }

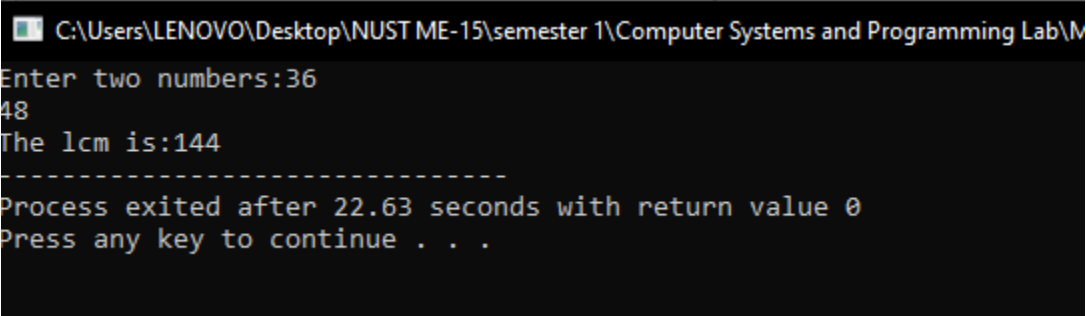
    }

    lcm = (n1*n2)/hcf;

    cout << "The lcm is:"<<lcm;

    return 0;

}
```



```
C:\Users\LENOVO\Desktop\NUST ME-15\semester 1\Computer Systems and Programming Lab\M
Enter two numbers:36
48
The lcm is:144
-----
Process exited after 22.63 seconds with return value 0
Press any key to continue . . .
```

HOMETASK2:

```
#include<iostream>

using namespace std;

int main(){

    int n = 1,a,l,sum;

    char c;

    cout << "Enter the first term of your series:";

    cin>> a;

    do{

        cout << "Enter the next term of your series:";

        cin>> l;

        n++;

        cout << "Do you want to add another term?(y/n)";

        cin>> c;

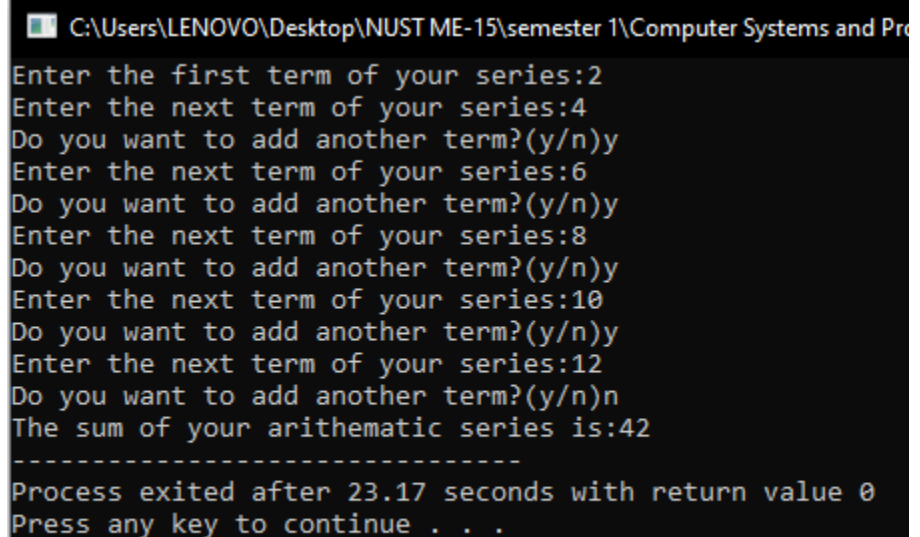
        }while(c == 'y');

    sum = (n/2)*(a + l);

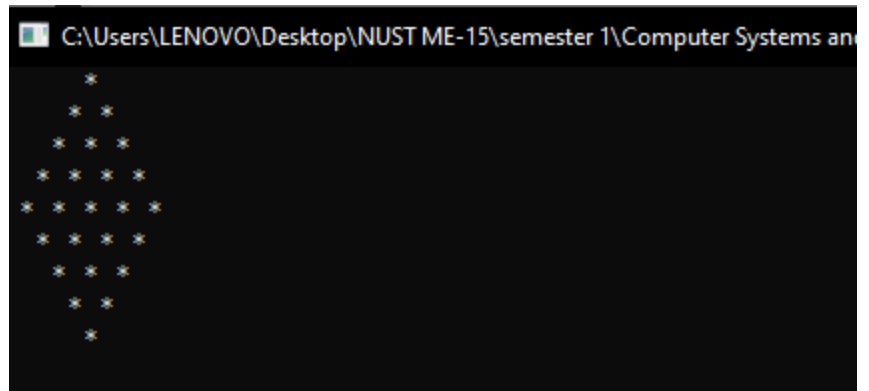
    cout << "The sum of your arithmetic series is:"<<sum;

    return 0;

}
```



```
C:\Users\LENOVO\Desktop\NUST ME-15\semester 1\Computer Systems and Pro
Enter the first term of your series:2
Enter the next term of your series:4
Do you want to add another term?(y/n)y
Enter the next term of your series:6
Do you want to add another term?(y/n)y
Enter the next term of your series:8
Do you want to add another term?(y/n)y
Enter the next term of your series:10
Do you want to add another term?(y/n)y
Enter the next term of your series:12
Do you want to add another term?(y/n)n
The sum of your arithmetic series is:42
-----
Process exited after 23.17 seconds with return value 0
Press any key to continue . . .
```

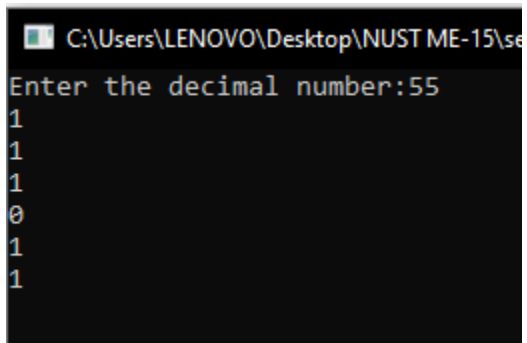


HOMETASK4:

```
#include<iostream>
```

```
using namespace std;
```

```
int main(){  
    int dec,b,r,q;  
    cout << "Enter the decimal number:";  
    cin >> dec;  
    do{  
        q = dec/2;  
        r = dec%2;  
        if(r == 0){  
            b = 0;  
        }  
        else{  
            b = 1;  
        }  
        dec = q;  
        cout << b << endl;  
    }while(q >=1);  
}
```



```
C:\Users\LENOVO\Desktop\NUST ME-15\se  
Enter the decimal number:55  
1  
1  
1  
0  
1  
1
```