HomeTask+Lab TASK # 6

ME XXX:Computer Systems Ad Programmig

SUBMITTED BY:

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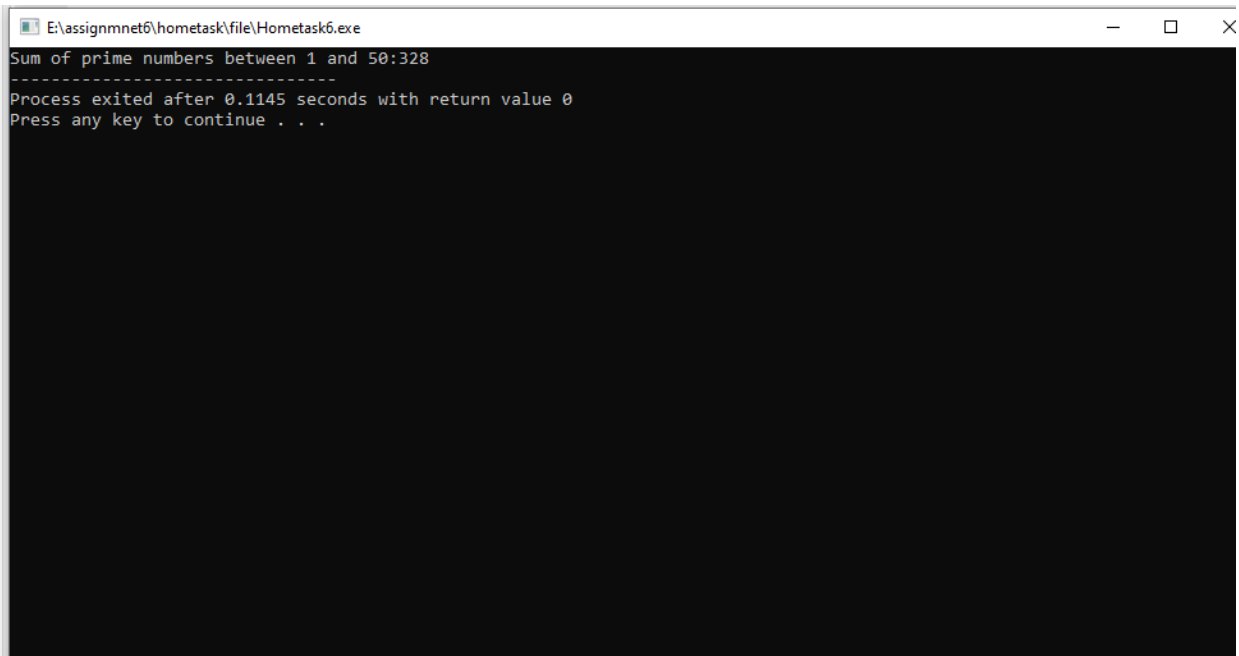**DEPARTMENT OF MECHANICAL ENGINEERING**

NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY,H12

TASK 1

```cpp
#include<iostream>
using namespace std;

//TASK 1:SUM OF PRIME NUMBBERS BETWEEN 1 AND 50
int main()
{
    int X=0,i,Y;
    for(i=2;i<=50;i++)
    {
        for(Y=2;Y<i;Y++){
            if(i%Y==0)
            break;
            }
            if(Y==i)
            X=X+Y;
    }
        cout<<"Sum of prime numbers between 1 and 50:"<<X;
}
```
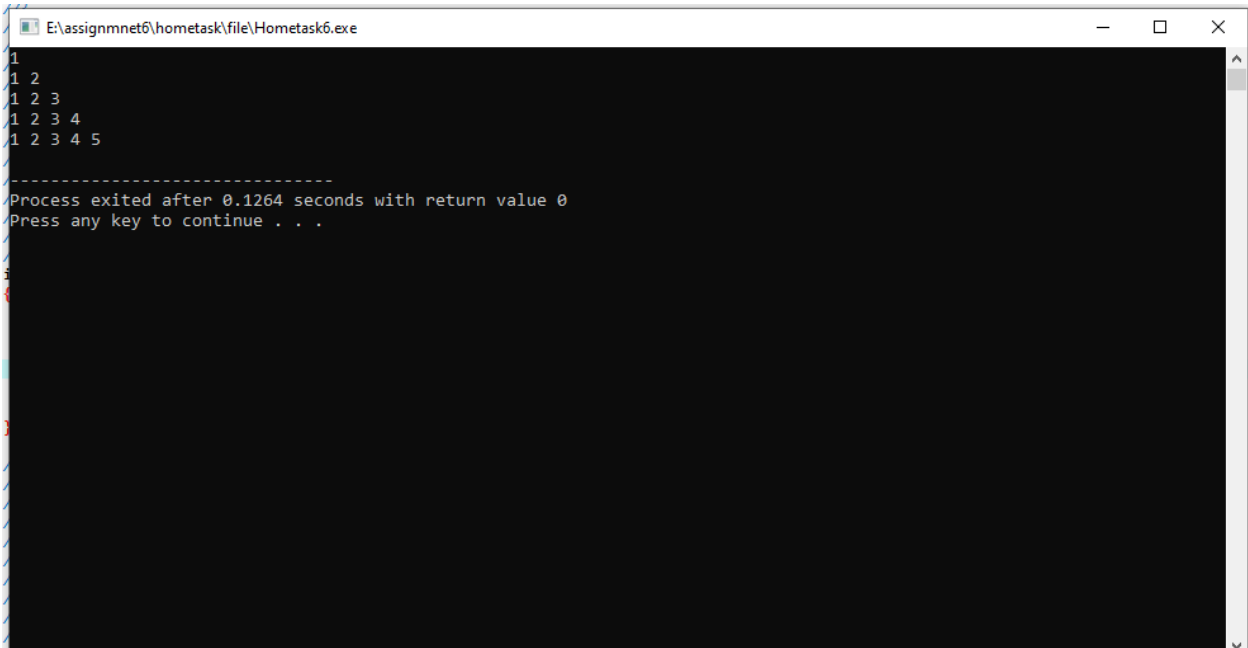
```
E:\assignmnet6\hometask\file\Hometask6.exe

Sum of prime numbers between 1 and 50:328
------------------------------
Process exited after 0.1145 seconds with return value 0
Press any key to continue . . .
```

TASK 2

```cpp
 2    #include<iostream>
 3    using namespace std;

19    ////TASK2: SEQUENCE DESIGN 1
20    int main()
21    {
22        for(int i=1;i<=5;i++){
23            for(int X=1;X<=i;X++){
24            cout<<X<<" ";
25            }
26        cout<<endl;
27        }
28    }
```

```
E:\assignmnet6\hometask\file\Hometask6.exe

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

-------------------------------
Process exited after 0.1264 seconds with return value 0
Press any key to continue . . .
```

TASK 3

```cpp
#include<iostream>
using namespace std;

//TASK 3:SEQUENCE DESIGN 2
int main()
{
    int r=1;
    cout<<"1"<<endl;
    for(int i=1;i<=6;i++)
    {
        if(i%2==0)
        {
            for(int x=1;x<=i;x++)
            {
                cout<<x<<" ";
            }
        }
        cout<<endl;
    }
}
```

E:\assignmnet6\hometask\file\Hometask6.exe
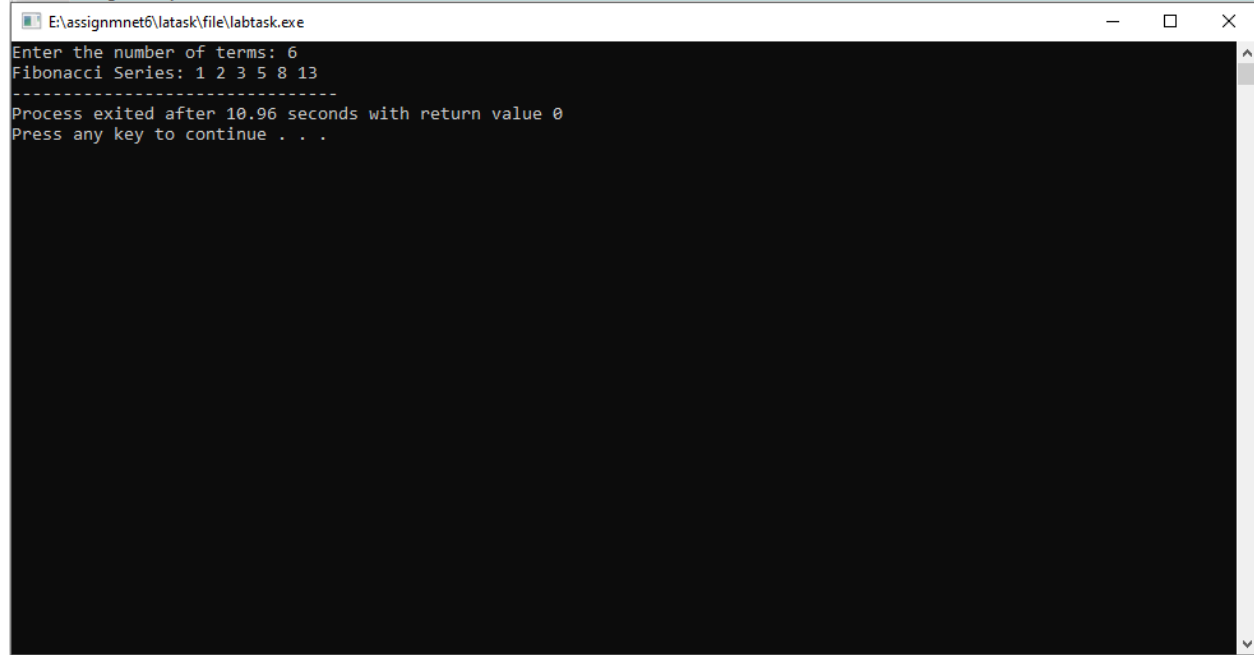
```
1

1 2

1 2 3 4

1 2 3 4 5 6

--------------------------------
Process exited after 0.01219 seconds with return value 0
Press any key to continue . . .
```

Lab TASK

TASK 1:

```cpp
#include<iostream>
using namespace std;

//TASK 1:
int main()
{
    int x,y,z,s=0;
    cout<<"Enter the number of terms: ";
    cin>>z;
    cout<<"Fibonacci Series: ";

    for(int i=1;i<=z;i++){
        x=0,y=1;
        for(int j=1;j<=i;j++){
        s=x+y;
        x=y;
        y=s;   }
    cout<<s<<" ";
    }
    return 0;
}
```

```
E:\assignmnet6\latask\file\labtask.exe

Enter the number of terms: 6
Fibonacci Series: 1 2 3 5 8 13
--------------------------------
Process exited after 10.96 seconds with return value 0
Press any key to continue . . .
```

TASK 2:

```cpp
#include<iostream>
using namespace std;

//TASK 2:
int main()
{
    int x,y;
    cout<<"Number of rows:";
    cin>>y;
    for(int i=1;i<=y;i++)
    {
        for(int j=1;j<=i;j++)
        {
        cout<<x<<" ";
        x++;
        }
        cout<<endl;
    }

}
```

```
E:\assignmnet6\latask\file\labtask.exe                              —     □     ×

Number of rows:5
0
1 2
3 4 5
6 7 8 9
10 11 12 13 14

--------------------------------
Process exited after 2.803 seconds with return value 0
Press any key to continue . . .
```