

CS-114 – Fundamental of Programing

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LAB MANUAL #6

HOME TASK

ME 15 Section B

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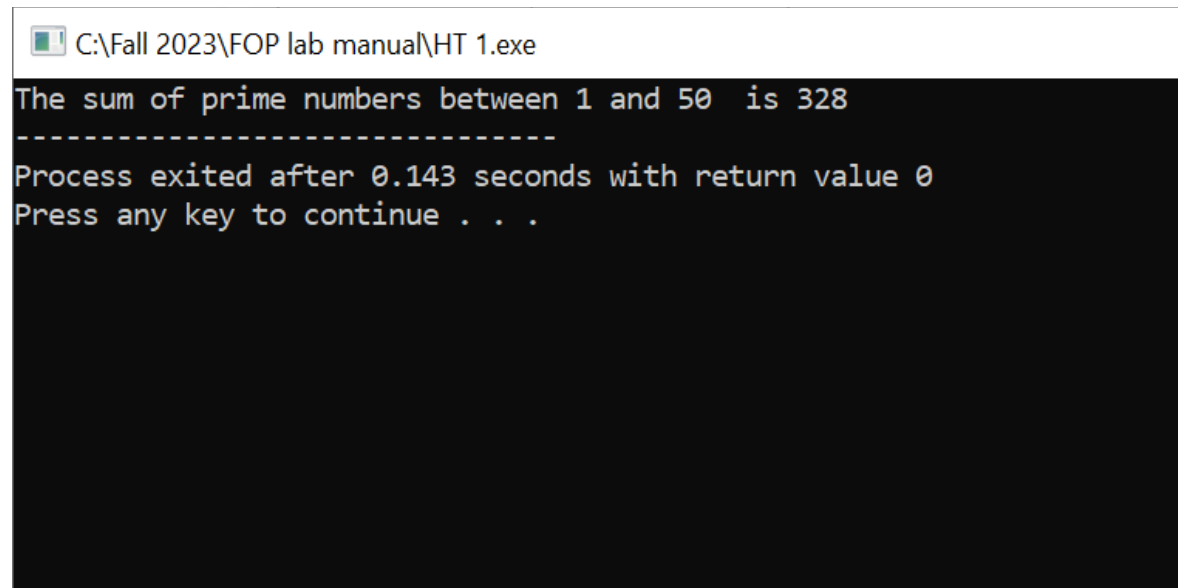
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Task 1

Code:

```
#include<iostream>
using namespace std;
int main()
{
    int n, j, sum=0;
    bool p;
    for(n=2;n<=50;n++)
    {
        p=true;
        for(j=2;j<=n/2;j++)
        {
            if(n%j==0)
            {
                p=false;
                break;
            }
        }
        if(p==true)
            sum+=n;
    }
    cout<<"The sum of prime numbers between 1 and 50 is "<<sum;
}
```

Output:



```
C:\Fall 2023\FOP lab manual\HT 1.exe
The sum of prime numbers between 1 and 50 is 328
-----
Process exited after 0.143 seconds with return value 0
Press any key to continue . . .
```

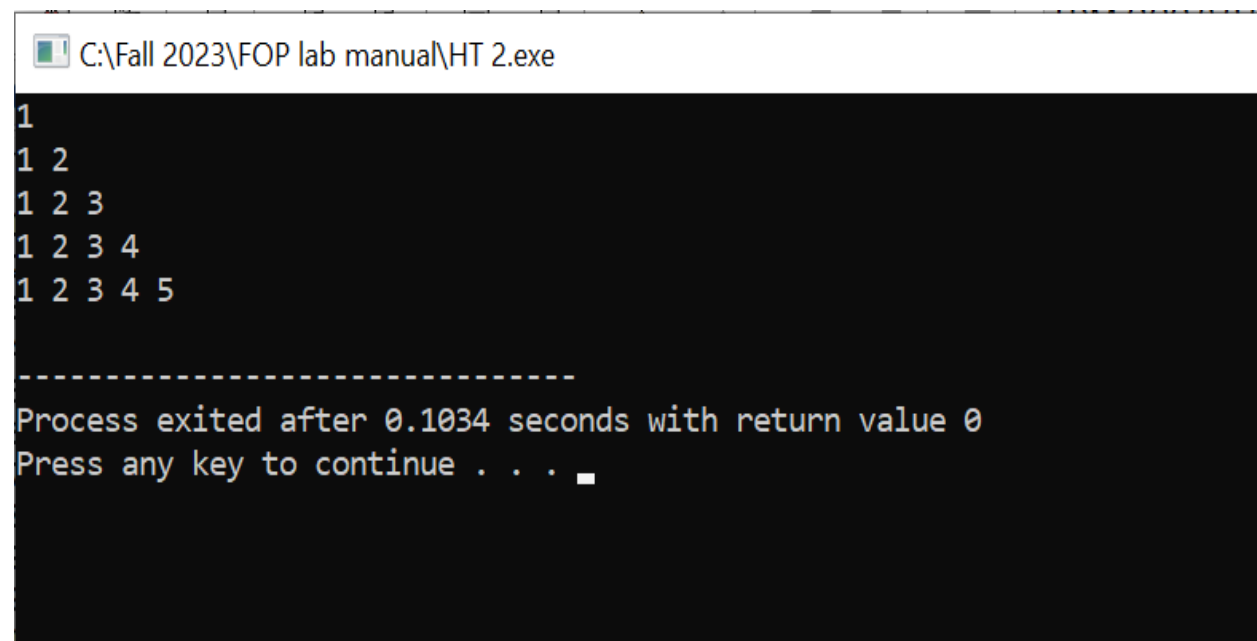
Tak 2

Code:

```
#include<iostream>
using namespace std;
int main()
{
    int i, j;
    for(i=1;i<=5;i++)
    {
        for(j=1;j<=i;j++)
            cout<<j<<" ";

        cout<<endl;
    }
}
```

Output:



```
C:\Fall 2023\FOP lab manual\HT 2.exe
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5


-----
Process exited after 0.1034 seconds with return value 0
Press any key to continue . . .
```

Task 3

Code:

```
#include<iostream>
using namespace std;
int main()
{
    int i=1, j, k;
    for(k=1;k<=4;k++)
    {
        for(;i<2*k;i=2*k)
        {
            for(j=1;j<=i;j++)
            cout<<i<<" ";
            cout<<endl;
        }
    }
}
```

Output:

 C:\Fall 2023\FOP lab manual\HT 3.exe

```
1
2 2
4 4 4 4
6 6 6 6 6 6
```

```
-----
Process exited after 0.1505 seconds with return value 0
Press any key to continue . . .
```