

Assignment 1

Que 1:

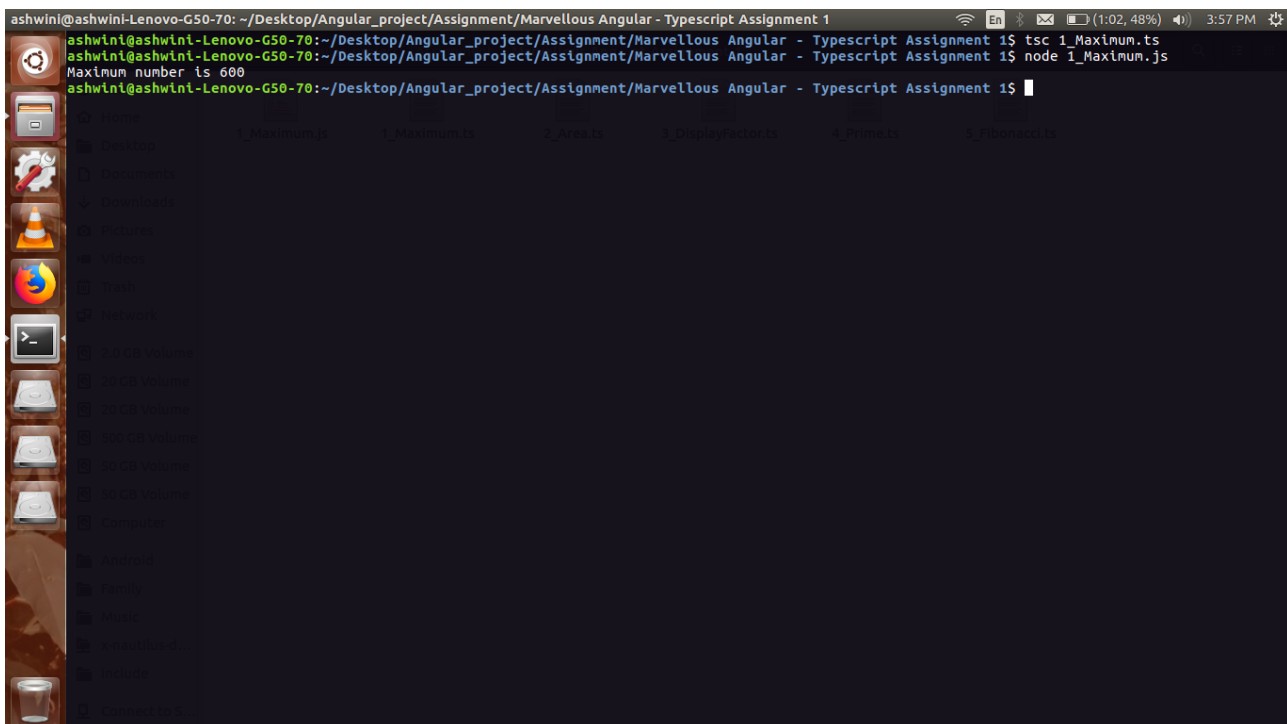
```
function Maximum(no1:number,no2:number,no3:number):number
{
    var max;
    if(no1>no2 && no1>no3)
        max=no1;

    else if(no2>no1 && no2>no3)
        max=no2;
    else
        max=no3;

    return max;
}

var sol:number;
sol=Maximum(23,89,600);

console.log("Maximum number is "+sol);
```



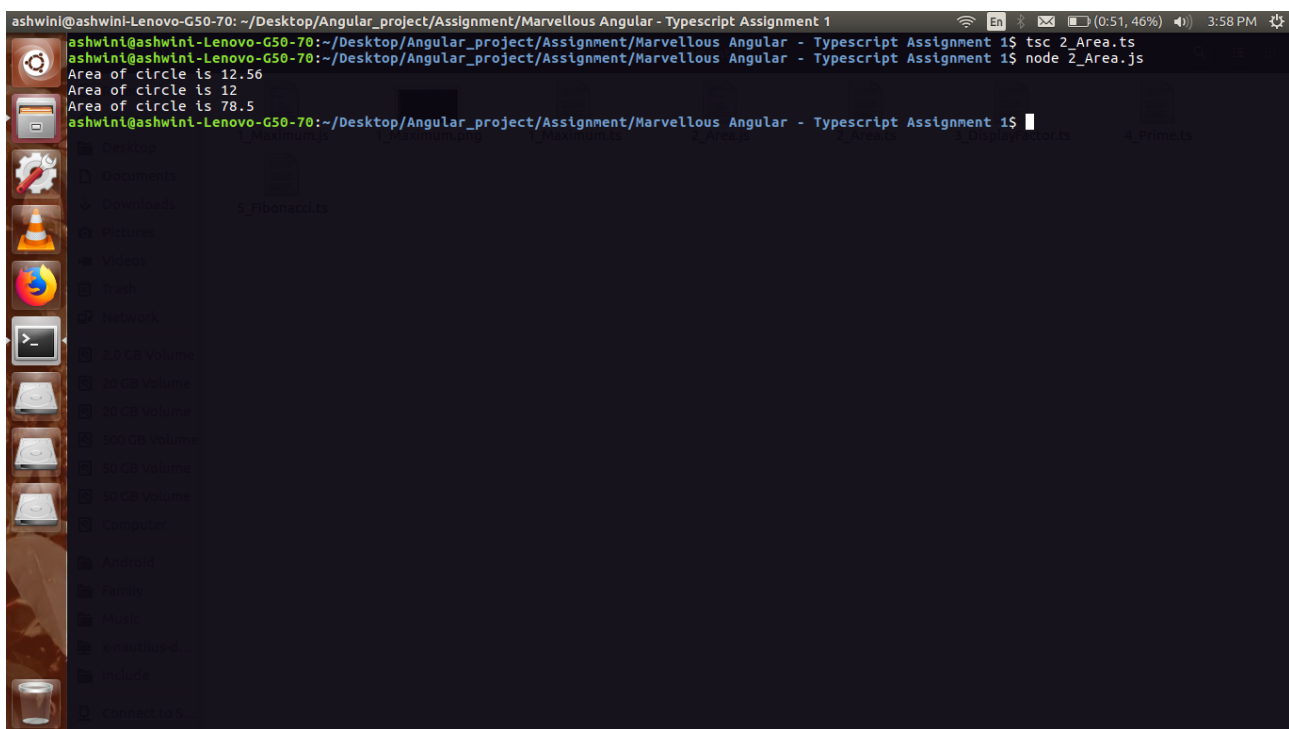
Que 2

```
function Area(radius:number,pi:number=3.14)
{
    var area=pi*radius*radius;
    return area;
}
```

```
var ans=Area(2);
console.log("Area of circle is "+ans);
```

```
var ans=Area(2,3)
console.log("Area of circle is "+ans);
```

```
var ans=Area(5);
console.log("Area of circle is "+ans);
```



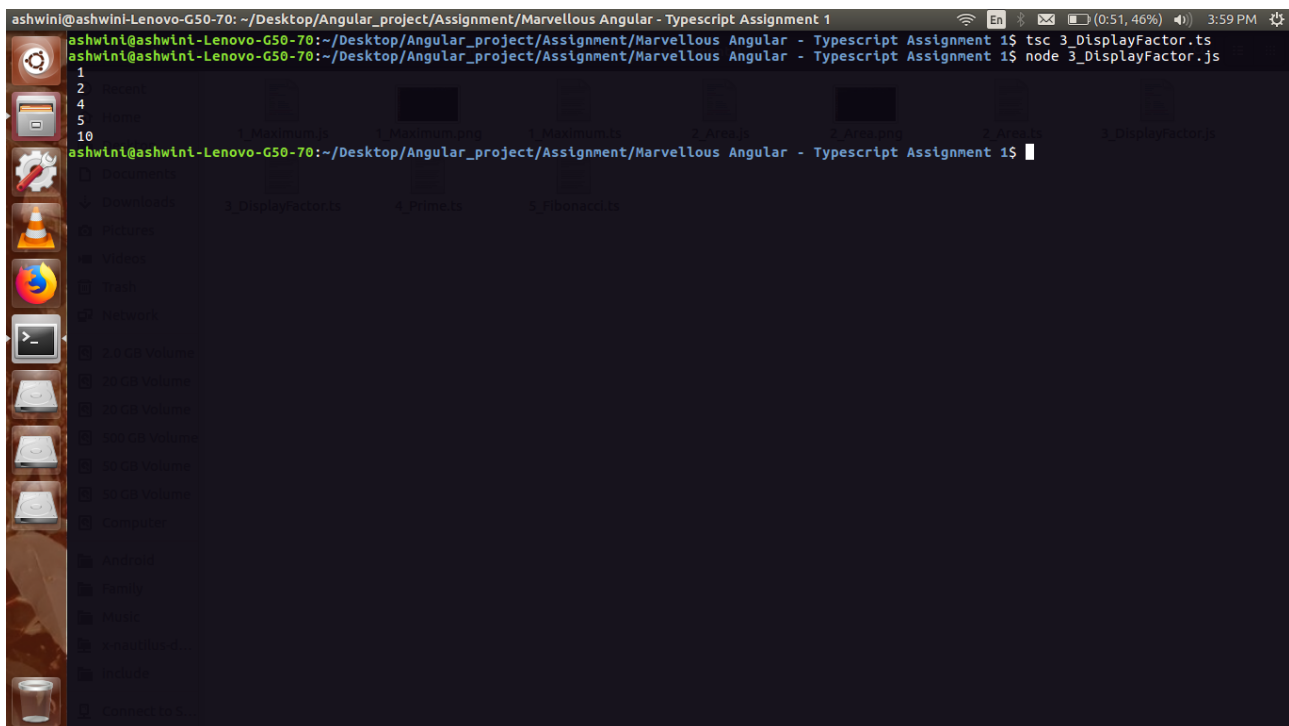
```
ashwini@ashwini-Lenovo-G50-70: ~/Desktop/Angular_project/Assignment/Marvellous Angular - Typescript Assignment 1
ashwini@ashwini-Lenovo-G50-70:~/Desktop/Angular_project/Assignment/Marvellous Angular - Typescript Assignment 1$ tsc 2_Area.ts
ashwini@ashwini-Lenovo-G50-70:~/Desktop/Angular_project/Assignment/Marvellous Angular - Typescript Assignment 1$ node 2_Area.js
Area of circle is 12.56
Area of circle is 12
Area of circle is 78.5
ashwini@ashwini-Lenovo-G50-70:~/Desktop/Angular_project/Assignment/Marvellous Angular - Typescript Assignment 1$
```

Que3:

Que 3

```
function DisplayFactor(no:number):void
{
    for(var i=0;i<no;i++)
        if(no%i==0)
            {
                console.log(" "+i);
            }
}
```

```
//call function
DisplayFactor(20);
```



```
ashwini@ashwini-Lenovo-G50-70: ~/Desktop/Angular_project/Assignment/Marvellous Angular - Typescript Assignment 1
ashwini@ashwini-Lenovo-G50-70:~/Desktop/Angular_project/Assignment/Marvellous Angular - Typescript Assignment 1$ tsc 3_DisplayFactor.ts
ashwini@ashwini-Lenovo-G50-70:~/Desktop/Angular_project/Assignment/Marvellous Angular - Typescript Assignment 1$ node 3_DisplayFactor.js
1
2
4
5
10
20
```

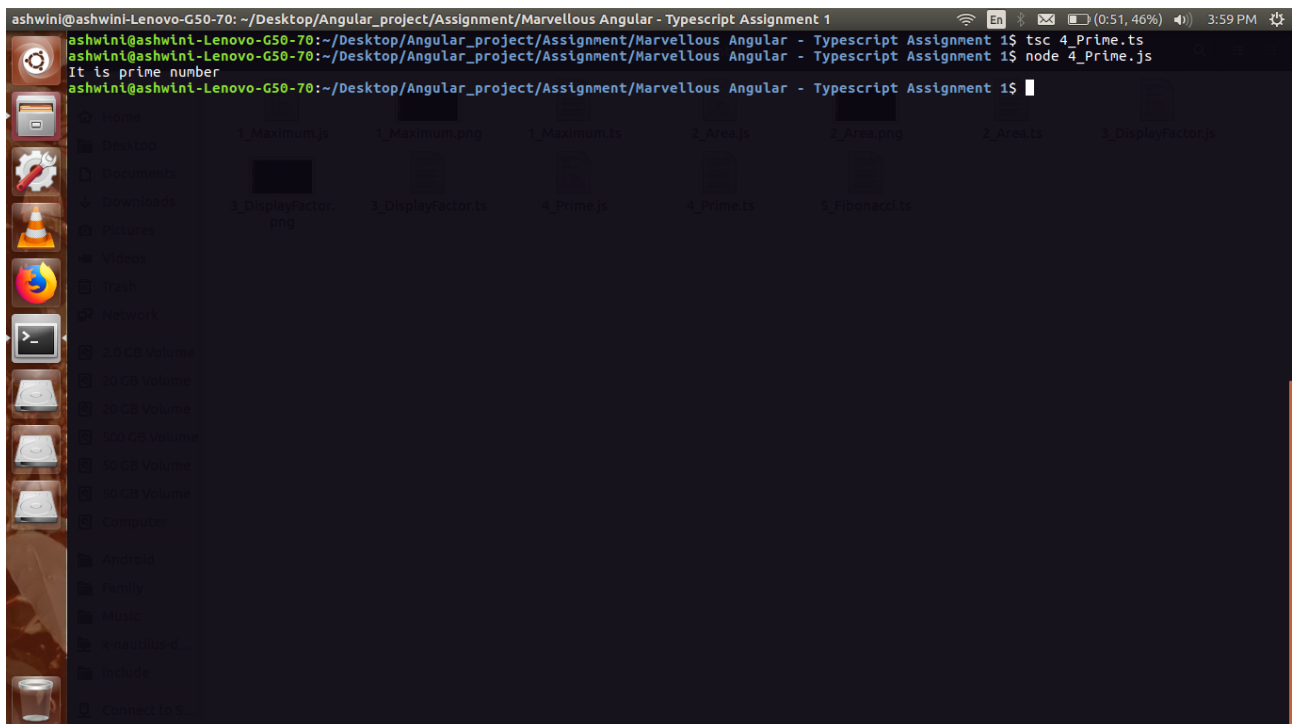
Que 4 :

```
function ChkPrime(no:number)
{
    for(var i=2;i<no/2;i++)
    {
        if(no%i==0)
            return false;
    }
    return true;
}
```

```
var res=ChkPrime(5);
```

```
if(res==true)
    console.log("It is prime number");
else
```

```
    console.log("It is prime number");
```



Que 5:

```
function Fibonacci(no:number)
{
    var i;
    var first=0,second=1,next;
    console.log(second);
    do
    {
        next=first+second;

        console.log(next);
        first=second;
        second=next;

        //console.log(""+next);
    }while(next!=no);
}

var res=Fibonacci(21);
```

