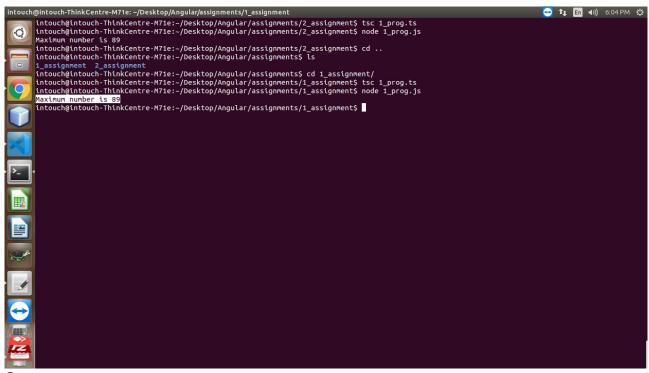
/* 1. Write a typescript program which contains one function named as Maximum. That function three parameters and it should returns largest value from three input parameters. Input: 23 89 6 Output: Maximum number is 89 */ function Maximum(no1:number, no2:number, no3:number):number{ var maxnum:number; if(no1>no2){ if(no1>no3){ maxnum = no1; }else{ maxnum = no3;}else{ if(no2>no3){ maxnum = no2;}else{ maxnum = no3;return maxnum;

console.log("Maximum number is "+Maximum(23,89,6));

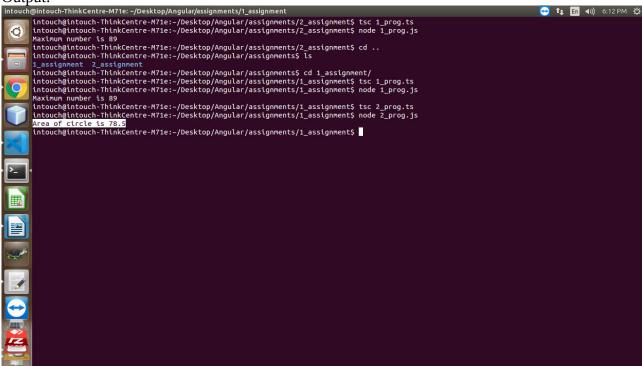


Output:-

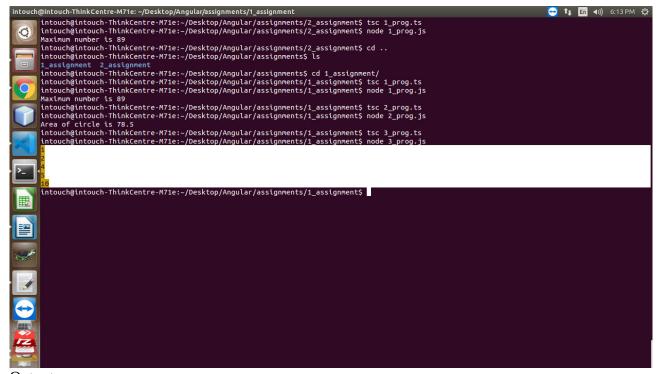
/*2. Write a typescript program which contains one function named as Area. That function should calculate area of circle. Accept value of radius from user and return its area. Default value of PI should be 3.14 if it is not provided by the caller.

```
Input: 5
Output: Area of circle is 78.5
*/
function Area(radius:number, PI:number = 3.14):number{
    return PI*radius*radius;
}
console.log("Area of circle is "+Area(5));
```

Output:



/*3. Write a typescript program which contains one function named as DisplayFactors. That function should accept one number and display factors of that number. Input: 20 Output: 1 2 4 5 10 */ function DisplayFactors(no:number){ //var str:string = ""; for(var i=1; i < no; i++){ $if(no \% i == 0){$ console.log(i); //str += i+" "; } //console.log(str);



Output:-

DisplayFactors(20);

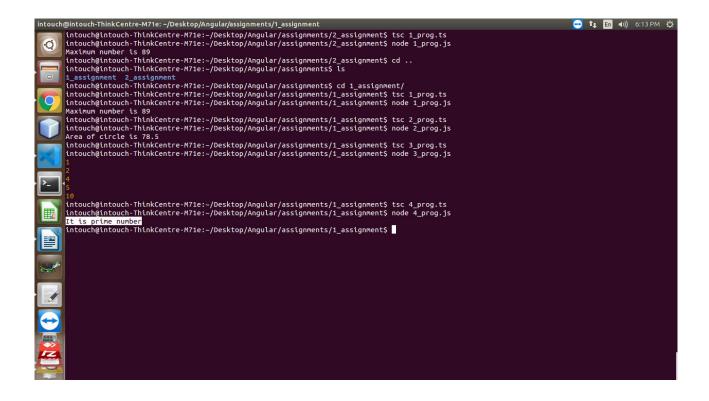
```
/*4. Write a typescript program which contains one function named as ChkPrime. That function
should
accept one number and it should return true if the given number is prime and otherwise return false.
Input: 11
Output: It is prime number
*/
function ChkPrime(no:number):boolean{
  var halfno = no/2;
  if(no==0 || no==1){
     return false;
  }else{
     for(var i=2; i<=halfno; i++){</pre>
       if(halfno % i == 0){
          return false;
       }
     }
  return true;
var flag = ChkPrime(11);
if(flag == true){
```

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

console.log("It is not prime number");

}else{

Output:-



/*5. Write a typescript program which contains one function named as Fibonacci. That function accept

one number from user and print Fibonacci series till that number.

```
Input:
21
Output:
1
2
3
5
8
13
21
*/
function Fibonacci(no:number){
  var a:number = 0;
  var b:number = 1;
  var c:number = 1;
  for(var i=1; a<no; i++){
    a=b;
    b=c;
    c=a+b;
    console.log(a);
}
```

Fibonacci(21);

Output:-

