

## Assignment 1

```
TS 01_MaxNumberOutOfThreeNumbers.ts X
TS 01_MaxNumberOutOfThreeNumbers.ts > maximum
1  function maximum(no1:number,no2:number,no3:number): number{
2      var max:number = 0;
3
4      if(no1>no2){
5          max = no1;
6      }else if(no2>no1){
7          max=no2;
8      }
9
10     if(no3>max){
11         max=no3;
12     }
13
14     return max;
15 }
16
17 var maximunNumber = maximum(23,89,6);
18 console.log("Maximun number is - "+maximunNumber);
19
```

```
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>tsc 01_MaxNumberOutOfThreeNumbers.ts
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>node 01_MaxNumberOutOfThreeNumbers.js
Maximun number is - 89
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>
```

## Assignment 2

```
TS 02_AreaOfCircle.ts X
TS 02_AreaOfCircle.ts > Area
1 function Area(radius:number, pi:number=3.14) : number{
2     var area = pi * radius* radius;
3     return area;
4 }
5
6
7 var area = Area(5);
8 console.log("Area of circle is "+area);
9

A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>tsc 02_AreaOfCircle.ts
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>node 02_AreaOfCircle.js
Area of circle is 78.5
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```

### Assignment 3

```
TS 03_DisplayFactors.ts X
TS 03_DisplayFactors.ts > DisplayFactors
1 function DisplayFactors(no:number){
2     for(var i=0;i<=no/2;i++){
3         if(no%i==0){
4             console.log(i);
5         }
6     }
7 }
8
9 DisplayFactors(20);
```

```
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>tsc 03_DisplayFactors.ts
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>node 03_DisplayFactors.js
1
2
4
5
10
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>|
```

## Assignment 4

```
TS 04_CheckPrime.ts X
TS 04_CheckPrime.ts > ...
1  function ChkPrime(num:number):boolean{
2      for(var i=2;i<=num/2;i++)
3      {
4          if(num%i==0){
5              return false;
6          }
7      }
8      return true;
9  }
10
11  var result:boolean;
12  result=ChkPrime(11);
13  if(result){
14      console.log("It is prime number");
15  }else{
16      console.log("It is NOT prime number");
17  }
18
```

```
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>tsc 04_CheckPrime.ts
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>node 04_CheckPrime.js
It is prime number
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>
```

## Assignment 5

```
TS 05_Fibonacci.ts X
TS 05_Fibonacci.ts > Fibonacci
1  function Fibonacci(num: number): void {
2      var no1: number = 0;
3      var no2: number = 1;
4      var temp: number = 0;
5      while (temp <= num) {
6
7          console.log(no2);
8          temp = no1 + no2;
9          no1 = no2;
10         no2 = temp
11     }
12 }
13
14
15 Fibonacci(21);
```

```
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>tsc 05_Fibonacci.ts
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>node 05_Fibonacci.js
1
1
2
3
5
8
13
21
A:\PiyushSirClasses\Angular\Coding\Typescript\01_Homeworks\01_19thOctober\Typescript Assignment 1>
```