1)Find out maximum number

Code:

```
//Find Maximum from 3 input numbers.

function Maximum(no1: number, no2: number,no3:number): number
{
     if(no1 > no2 && no1 > no3)
     {
        return no1;
     }
     else if(no2 > no1 && no2 > no3)
     {
        return no2;
     }
     else
     {
        return no3;
     }
}

var maximumValue : number = Maximum(23,89,6);
console.log("Maximum number is "+ maximumValue);
```

output:

```
Maximum number is 89
```

2) Area of the circle

Code:

```
// Find area of the circle


function Area(radius : number) : number
{
    var PI: number = 3.14;
    return PI * radius *radius;
}

var radius : number = 5;
var area = Area(radius);
console.log('Area of circle is '+area);
```

output:

```
Area of circle is 78.5
```

3) Display the factors

Code:

```
//Display factors

//Function Defination
function DisplayFactors(value: number): void {
    for (var number: number = 1; number <= value; number++)   // Initialization ;
Condition ; Displacement
    {
        if (value % number == 0) {
            console.log(number);
        }
    }
}

//Function call
var value: number = 20;
DisplayFactors(value);
```

Output:

```
1
2
4
5
10
20
```

4)Check prime number

Code:

```
//Check prime number

//Prime numbers are natural numbers that are divisible by only 1 and the number
itself. In other words, prime numbers are positive integers greater than 1 with
exactly two factors

//Function defination
function CheckPrime(value: number): boolean {
    if (value <= 1) {
        return false;
```

```
    }
    else if (value == 2 || value == 3) {
        return true;
    }
    else {
        for (var i: number = 2; i < value; i++) {
            if (value % i == 0) {
                return false;
            }
        }
    }
    //number divisible by only 1 and itself
    return true;
}

//Function call
var value: number = 11;

if (CheckPrime(value)) {
    console.log('It is prime number : ' + value);
}
else {
    console.log('It is non-prime number : ' + value);
}
```

Output :

```
It is prime number : 11
```

5) Fibonacci series till that number

Code:

```
//Fibonacci series  till that number

//The Fibonacci series is the sequence of numbers (also called Fibonacci
numbers), where every number is the sum of the preceding two numbers, such that
the first two terms are '0' and '1'.

//Function defination
function Fibonacci(value: number): void {
    var n1: number = 0;
    var n2: number = 1;
    console.log(n1);
    console.log(n2);

    var next: number = n1 + n2;

    while (next <= value) {
```

```
        console.log(next);
        n1 = n2;
        n2 = next;
        next = n1 + n2;
    }

}

var input: number = 21;

//Function call
Fibonacci(input);
```

Output: