```
// That function accepts array of numbers and returns the largest number from
function FindMaxNumberArray(array : number[]) : number
     var maxNumber : number = array[0];
     var i : number = 0;
     for(i = 0; i < array.length; i++)</pre>
          if(array[i] > maxNumber)
               maxNumber = array[i];
     return maxNumber;
var array : number[] = [23, 89, 6, 74, 56, 45, 77, 32];
var iMaxNumber = FindMaxNumberArray(array);
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 Microsoft Windows [Version 10.0.22621.2792]
 (c) Microsoft Corporation. All rights reserved.
 D:\MEAN Stack\01-Typescript\01-Assignments\02-Assignments-02>tsc 01-LargestNumberFromArray.ts
  \texttt{D:\backslash MEAN Stack\backslash 01-Typescript\backslash 01-Assignments\backslash 02-Assignments-02>} node \ \ 01-LargestNumberFromArray.js \\
 The maximum number is : 89
 D:\MEAN Stack\01-Typescript\01-Assignments\02-Assignments-02>
```

```
// 2. Write a typescript program which contains one function named as
Summation.
// That function accepts array of numbers and returns the summation of each
number from array.
// Input: 23 6 7 4 74 5 77
// Output: 196

function SumOfArray(array : number[]) : number
{
    var sum : number = 0;
    var i : number = 0;
    for(i = 0; i < array.length; i++)</pre>
```

```
{
    sum = sum + array[i];
}

return sum;
}

var array : number[] = [23, 6, 7, 4, 74, 5, 77];
var iSum = SumOfArray(array);
console.log("The summation of number is : "+iSum);
```

```
// 3. Write a typescript program which contains one function named as Maximum.
// That function accepts array of numbers and returns the second Largest
number from array.
// Input: 23 6 7 4 74 5 77
// Output: 77

function secondLargestNumberFromArray(array : number[]) : number
{
    var maxNumber_1 : number = array[0];
    var maxNumber_2 : number = array[1];

    var maxNon1 = maxNumber_1;
    if(maxNumber_1 < maxNumber_2)
    {
        maxNumber_2 = maxNumber_2;
        maxNumber_2 = maxNon1;
    }
    var i : number = 0;

    for(i = 0; i < array.length; i++)
    {
        if(maxNumber_1 < array[i])
        {
              maxNumber_1 = array[i];
        }
}</pre>
```

```
if((maxNumber_2 < array[i]) && (array[i] < maxNumber_1))
{
          maxNumber_2 = array[i];
     }
}
return maxNumber_2;
}

var array : number[] = [23, 89, 6, 74, 56, 45, 77, 32];

var secondLargestNumber = secondLargestNumberFromArray(array);
console.log("The second maximum number from the array is :
"+secondLargestNumber);

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D:\MEAN Stack\01-Typescript\01-Assignments\02-Assignments-02>node 03-SecondLargestNumber.js
The second maximum number from the array is : 77
D:\MEAN Stack\01-Typescript\01-Assignments\02-Assignments-02>
D:\MEAN Stack\01-Typescript\01-Assignments\02-Assignments-02>
D:\MEAN Stack\01-Typescript\01-Assignments\02-Assignments-02>
```

```
// Write a typescript prgoram which contains one arrow function named as
ChkArmstrong.
// That function accepts one number and check whether number is Armstrong
number or not.
// Input: 153
// Output: It is Armstrong number

function CheckArmstrong(No : number) : boolean
{
    var iDigit : number;
    var iCnt : number = 0;
    var iSum : number = 0;
    var i : number = 0;
    var i : number = 1;
    var iTemp : number = No;

    while(iTemp != 0)
    {
        iTemp = Math.floor(iTemp / 10);
        iCnt++;
    }

    iTemp = No;
    while(iTemp != 0)
    {
        iDigit = iTemp % 10;
}
```

```
for(i = 1; i <= iCnt; i++)</pre>
        iSum = iSum + Power;
        Power = 1;
    if(iSum == No)
var Num : number = 153;
var Result : boolean = false;
if(Result)
else
    console.log("It is not Armstrong number");
```

```
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```

```
// Write a typescript prgoram which contains one arrow function named as
ChkString.
// That function accepts one string and check whether that string contains
"Marvellous" word or not.
// Input: "Pune Kothrud Marvellous Infosystems"
// Output: String contains Marvellous in it.
```