

//Assignment-2 | Que-1 | RID-073AM_Viraj

```
function Maximum(Arr : Number[]) : Number
{
    var iMax : Number = 0;
    var iCnt : Number = 0;

    iMax = Arr[0];

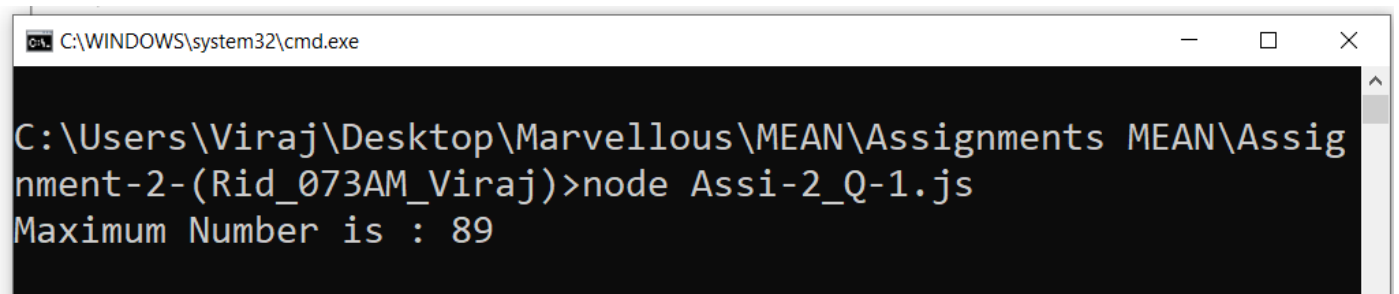
    for(iCnt=0; iCnt<Arr.length; iCnt++)
    {
        if(iMax < Arr[iCnt])
        {
            iMax=Arr[iCnt];
        }
    }
    return iMax;
}
var Arr1 : Number[] = [23,89,6,29,56,45,77,32];
var iRet : Number = 0;

iRet = Maximum(Arr1);

console.log("Maximum Number is : "+iRet);
```

Input:-23,89,6,29,56,45,77,32

OutPut:-



```
C:\WINDOWS\system32\cmd.exe

C:\Users\Viraj\Desktop\Marvellous\MEAN\Assignments MEAN\Assignment-2-(Rid_073AM_Viraj)>node Assi-2_Q-1.js
Maximum Number is : 89
```

//Assignment-2 | Que-2 | RID-073AM_Viraj

```
function Summation(Arr : Number[]) : Number
{
    var iSum : Number = 0;
    var iCnt : Number = 0;

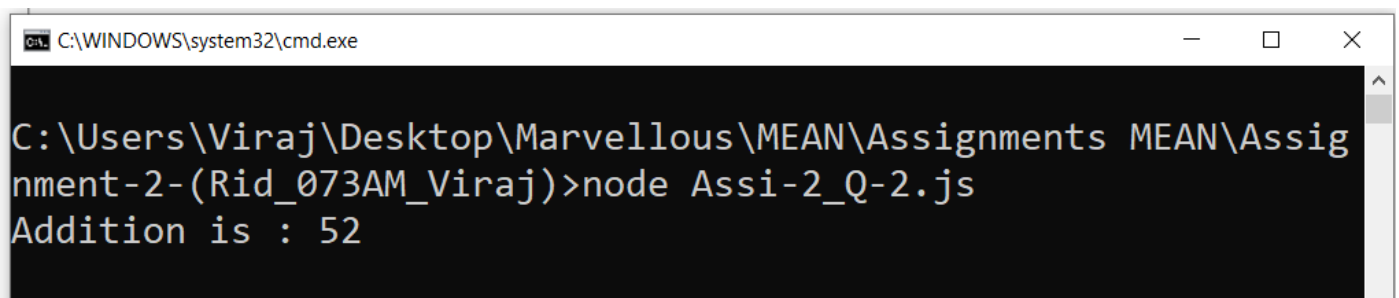
    for(iCnt=0; iCnt<Arr.length; iCnt++)
    {
        iSum=iSum+Arr[iCnt];
    }
    return iSum;
}
var Arr1 : Number[] = [23,6,7,4,5,7];
var iRet : Number = 0;

iRet = Summation(Arr1);

console.log("Addition is : "+ iRet);
```

Input:-23,6,7,4,5,7

OutPut:-



```
C:\WINDOWS\system32\cmd.exe

C:\Users\Viraj\Desktop\Marvellous\MEAN\Assignments MEAN\Assignment-2-(Rid_073AM_Viraj)>node Assi-2_Q-2.js
Addition is : 52
```

//Assignment-2 | Que-3 | RID-073AM_Viraj

```
function Maximum(Arr : Number[]) : Number
{
    var Temp : Number = 0;
    var iCnt0 : Number = 0;
    var iCnt1 : Number = 0;

    for(iCnt0=0; iCnt0<Arr.length; iCnt0++)
    {
        for(iCnt1=iCnt0+1; iCnt1<Arr.length; iCnt1++)
        {
            if(Arr[iCnt0] > Arr[iCnt1])
            {
                Temp = Arr[iCnt0];
                Arr[iCnt0] = Arr[iCnt1];
                Arr[iCnt1] = Temp;
            }
        }
    }
    return Arr[Arr.length-2];
}

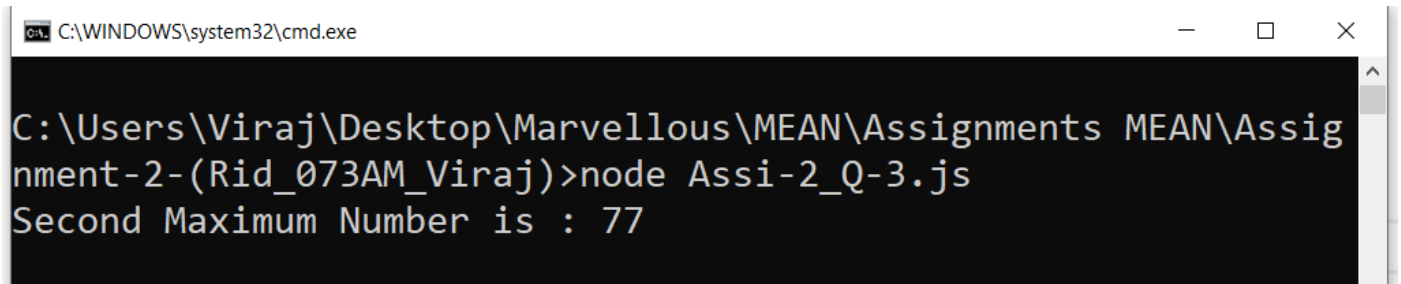
var Arr1 : Number[] = [23,89,6,29,56,45,77,32];
var iRet : Number[] = 0;

iRet = Maximum(Arr1);

console.log("Second Maximum Number is : "+iRet);
```

Input:-23,89,6,29,56,45,77,32

OutPut:-



The screenshot shows a Windows command prompt window with the title bar 'C:\WINDOWS\system32\cmd.exe'. The command prompt displays the following text:

```
C:\Users\Viraj\Desktop\Marvellous\MEAN\Assignments MEAN\Assignment-2-(Rid_073AM_Viraj)>node Assi-2_Q-3.js
Second Maximum Number is : 77
```

//Assignment-2 | Que-4 | RID-073AM_Viraj

```
function Power(iNo1 : Number,iNo2 : Number) : Number
{
    var iMult : Number = 1;
    var iCnt : Number = 0;

    for(iCnt = 1; iCnt <= iNo2; iCnt++)
    {
        iMult = iMult * iNo1;
    }
    return iMult;
}

function CheckArmstrong(iNo : Number) : boolean
{
    var iTemp : Number = 0;
    var iDigCnt : Number = 0;
    var iDigit : Number = 0;
    var iSum : Number = 0;

    if(iNo < 0)
    {
        iNo = -iNo;
    }

    iTemp = iNo; //iTemp = 153

    //calculate Number of Digit //iDigCnt
    while(iNo != 0) //153
    {
        iDigCnt++;
        iNo = parseInt(iNo / 10); //15//1//0 (Float to Int)
    }
    iNo = iTemp; //153

    while(iNo != 0)
    {
        iDigit = iNo % 10; //1//5//3
```

```

        iSum = iSum + Power(iDigit,iDigCnt); //1,3//5,3//3,3

        iNo = parseInt(iNo/10); //15//1//0
    }

    if(iSum == iTemp)
    {
        return true;
    }
    else
    {
        return false;
    }
}
var iVal : Number = 153;
var bRet : boolean;

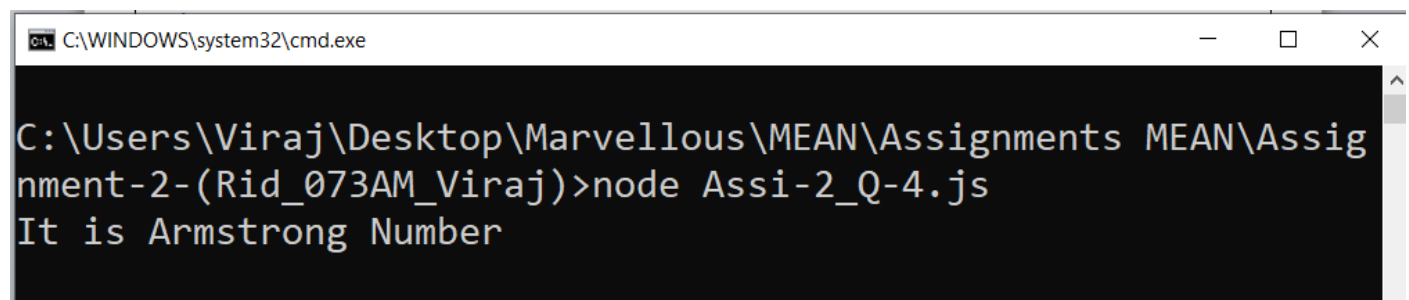
bRet = CheckArmstrong(iVal);

if(bRet == true)
{
    console.log("It is Armstrong Number");
}
else
{
    console.log("It is Not Armstrong Number");
}

```

Input:- 153

OutPut:-



A screenshot of a Windows Command Prompt window. The title bar shows the path 'C:\WINDOWS\system32\cmd.exe'. The command prompt shows the directory 'C:\Users\Viraj\Desktop\Marvellous\MEAN\Assignments MEAN\Assignment-2-(Rid_073AM_Viraj)' and the command 'node Assi-2_Q-4.js' being executed. The output of the command is 'It is Armstrong Number'.

```

C:\WINDOWS\system32\cmd.exe
C:\Users\Viraj\Desktop\Marvellous\MEAN\Assignments MEAN\Assignment-2-(Rid_073AM_Viraj)>node Assi-2_Q-4.js
It is Armstrong Number

```

//Assignment-2 | Que-5 | RID-073AM_Viraj

```
function ChkString(string2 : String) : boolean
{
    if(string2.includes("Marvellous"))
    {
        return true;
    }
    else
    {
        return false;
    }
}

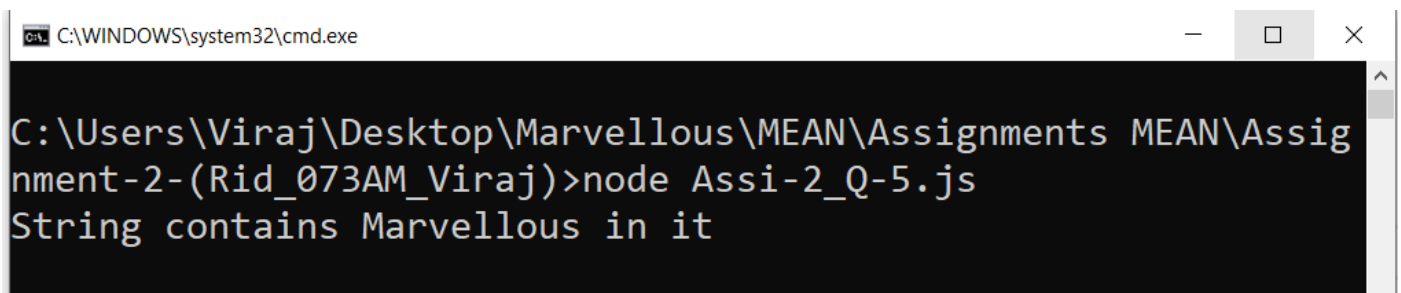
var string1 : String = "Pune Kothrud Marvellous Infosystems";
var bRet : boolean;

bRet = ChkString(string1);

if(bRet == true)
{
    console.log("String contains Marvellous in it");
}
else
{
    console.log("String Not Contain Marvellous in it");
}
```

Input:- "Pune Kothrud Marvellous Infosystems"

OutPut:-



The screenshot shows a Windows Command Prompt window with the title bar 'C:\WINDOWS\system32\cmd.exe'. The command prompt displays the following text:

```
C:\Users\Viraj\Desktop\Marvellous\MEAN\Assignments MEAN\Assignment-2-(Rid_073AM_Viraj)>node Assi-2_Q-5.js
String contains Marvellous in it
```