COMSATS UNIVERSITY ISLAMABAD
ATTOCK CAMPUS

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REGISTRATION NO: SP20-BSE-014

```javascript
// // Task No: 1

var data=123456;
let temp=data
let index=parseInt(prompt("Enter the index value : "));
for(let i=0;i<index;i++)
{
    value=temp%10;
    temp=temp/10;

}
console.log("last digit is : " + parseInt(value));

// // Task No: 2

let value="12345";
let array=[...value]
console.log(array);
function SumOfArray(sum,num)
{
    return Number(sum)+ Number(num);
}
let sumarray=array.reduce(SumOfArray);
console.log("Sum of string value is : " + sumarray);

// // Task No: 3

let value="12345";
let array=[...value]
console.log(array);
function CalculateEven(num)
{
    if(num%2==0)
    {
        return num;
    }
}
let evenNumber=array.filter(CalculateEven);
console.log("Even numbers are " + evenNumber);
function SumOfArray(sum,num)
{
    return Number(sum)+ Number(num);
}
let sumarray=evenNumber.reduce(SumOfArray);
console.log("Sum of even numbers are : " + sumarray);
```

```javascript
// // Task No: 4

let num=parseInt(prompt("Enter value to take squrae and cube :"));
 function CalculateSquare(a)
{
    return a**2;
}
function CalculateCube(a)
{
    return a**3;
}
let squared=CalculateSquare(num);
let cube=CalculateCube(num);
console.log("Square of a number is : "+ squared);
console.log("Cube of a number is : "+ cube);

 // // Task No: 5

var chr="";
let str=prompt("Enter the string");
let num=prompt("Enter the Number");
str=str.toUpperCase();
console.log(str);
for(var i=0;i<str.length;i++)
{
    chr=str.charAt(i);
    if(chr=="A" || chr=="E" || chr=="I" || chr=="O" || chr=="U" )
    {
       break;
    }
}
 if(i<str.length)
{
    console.log("Position of left most vowel is : " + (i+1));
}
 else
{
    console.log("No vowel found at left position !");
}
let reversedNum=num.toString().split('').reverse().join('');
console.log("Reversed Number is : " + reversedNum);

// // Task No: 6

var randomNum=Math.floor(Math.random()*10);
```

```javascript
    console.log(randomNum);
let guessNum=prompt("Enter your Guess Number : ");
if(guessNum==randomNum)
{
    console.log("YOU WIN");
}
else
{
    console.log("NOT MATCHED");
}

 // // Task No: 7

let array=[11,2,3,1];
let lastPos=array.length-1;
if(array[0]==10)
{
    console.log("Yes 10 appears at 1st Position : ");
}
else if(array[lastPos]==10)
{
    console.log("Yes 10 appears at last Position : ");
}
else
{
    console.log("10 is not present in array ! ");

}

 // // Task No: 8

let str=prompt("Enter the string to print in alhabetical order : ");
str=str.split('').sort().join('');
console.log("String in alphabetical order is : " + str);
```