Let, var, const variable, Function Definition & Calling, Different Ways of displaying output, Arithmetic Operations, Switch case, Using Prompt – Getting the input from the user

```
<!DOCTYPE html>
<html>
    <head>
        <script>
            function add(a,b)
                document.write(a+b)
            function sub(a,b)
            {
                alert(a-b)
            }
            function product(a,b)
                console.log("The Product of a and b is:"+(a*b))
            function divi(a,b)
                document.getElementById("para").innerHTML = "<h1>Quotient
is</h1>"+parseFloat(a/b)
            }
            function calc()
                let a=parseInt(prompt("Enter the value of a"))
            let b=parseInt(prompt("Enter the value of b"))
            let ch=parseInt(prompt("Enter the operation you want to
perform\n1.Add\n2.Subtract\n3.Product\n4.Division"))
            switch(ch)
            {
                case 1:add(a,b)//calling the add function
                       break;
                case 2:sub(a,b)
                       break;
                case 3:product(a,b)
                       break;
                case 4:divi(a,b)
                       break
                default:alert("Enter the correct choice")
                        break;
            }
            }
```

Assigning Values from form textbox, Relational and Logical Operations

```
<!DOCTYPE html>
<html>
    <head>
      <script src="calc.js"></script>
    </head>
    <body>
        <h1>Student Grading System</h1>
        <form>
            <label for="studname">StudentName</label>
            <input type="text" id="studname">
            <label for="m1">Mark 1</label>
            <input type="text" id="m1">
            <label for="m2">Mark 2</label>
            <input type="text" id="m2">
            <label for="tot">Total</label>
            <input type="text" id="tot">
```

```
<label for="avg">Average</label>
             <input type="text" id="avg">
             <button type="button" onclick="CalcGrade()">FindGrade</button>
        </form>
    </body>
</html>
function CalcGrade()
    let m1 =parseInt(document.getElementById("m1").value)
    let m2 = parseInt(document.getElementById("m2").value)
    let tot = m1+m2
    document.getElementById("tot").value = tot
    let avg = tot/2
    document.getElementById("avg").value = avg
    if(avg<50)</pre>
        alert("Better Luck Next Time")
    else if((avg>50)&&(avg<60))</pre>
        alert("Your Grade is D")
    else if((avg>60)&&(avg<70))</pre>
        alert("Your Grade is C")
    else if((avg>70)&&(avg<80))</pre>
        alert("Your Grade is B")
    }
    else if((avg>80)&&(avg<90))</pre>
        alert("Your Grade is A")
    }
    else
    {
        alert("Your Grade is 0 - Outstanding")
    }
}
```

Using For loops, for..in, for..of, Using object type, Array type, Array methods and String Methods

```
<!DOCTYPE html>
<html>
    <head>
    </head>
    <body>
        <script>
            let employee={empid:111,empname:"Sridhar",dept:"HR",Salary:80000}
            console.log(employee.empid+" "+employee.empname+" "+employee.dept)
            document.write(employee.empid)
            for(let emp in employee)
                document.write(employee[emp]+"<br>")
            }
           let arr=["HTML","CSS","JS"]
           arr.push("Bootstrap")
           arr.unshift("WT")
           for(let i=0;i<arr.length;i++)</pre>
           {
                document.write(arr[i])
           }
           for(let ar of arr)
            document.write(ar+"<br>")
           arr.pop()
           for(let ar in arr)
            document.write(arr[ar])
           }
           let str="Hi everyone kindly dont sleep"
           document.write(str.toUpperCase()+"<br>")
           document.write(str.toLowerCase()+"<br>")
           let str1 = "GoodNoon"
```