```
Ans1….

<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        var num=window.prompt("Enter your number : ");

        var sum=0;
        for(var i=1;i<=num;i++){


            sum=sum+i;


        }
        document.write(sum);


        </script>
    </head>
</html>
```

Ans 2..

```
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        var num=17;

        var sum=0;
        for(var i=1;i<=num;i++){
            if(i%3==0 || i%5){

            sum=sum+i;


        }
        }
        document.write(sum);



        </script>
    </head>
</html>
```

Ans3…

```html
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        var num=window.prompt("Enter the number");

        if(num%2==0){
            document.write(num + " : Number is even " );
        }
        else{
            document.write(num + " : Number is odd " );
        }



        </script>
    </head>
</html>
```

Ans4..

```html
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        var num = window.prompt("Enter the number of flips : " +num);
        function coinflip(num){
            return(Math.random() < 0.7) ? 'Heads' : 'Tails';
        }

        var howManyTimes=num;
        var countHeads=0;

        for(var i=0;i<howManyTimes;i++){
            if(coinflip()==='Heads'){
                countHeads++;
            }
        }
        alert("Heads appear " +(countHeads/howManyTimes)*100+ " % of the time");
```

```html
        </script>
    </head>
</html>
```

Ans5…

```html
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        var year = window.prompt("Enter year : "  +year);

        var count=0;

        while(count!=20){

            if((year % 400==0) || ((year % 4==0) && (year % 100 != 0)))
            {

                ++count;
                document.write(year + "<br>" );

            }
            ++year;

        }


        </script>
    </head>
</html>
```

Ans6..

```html
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        hello();
function hello()
{
    var str =prompt("Enter a string");
    var strArray = str.split(" ");
    for(i=0;i<strArray.length+4; i++)
```

```
    {
        document.write("*");
    }
    document.write("<br>");
    for(i=0;i<strArray.length;i++)
    {
        document.write("* " + strArray[i] + " * <br>" );
    }
    for(i=0;i<strArray.length+4; i++)
    {
        document.write("*");
    }
    document.write("<br>")
}


        </script>
    </head>
</html>
```

Ans7…

```
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">

        currency();
        function currency()
        {
         var amount=window.prompt("Enter the amount in dollar : ");
         document.write((amount*74.28)+"Indian Indian <br>"
+(amount*109.14)+"Japanese Currency <br>"
                        +(amount*0.84)+"EURO Currency <br>" +(amount *0.72)+ "
Pound Sterling Currency");
        }



        </script>
    </head>
</html>
```

Ans 8..

```
<html>
    <head>
        <title>
            Java Script
```

```
        </title>
        <script type="text/javascript">


        ArrayConcatenation();


        function ArrayConcatenation(){
            const arr1=['a' ,'b' ,'c'];
            const arr2=[1 ,2, 3];


            document.write(arr1.concat(arr2));



        }




        </script>
    </head>
</html>
```

Ans 9…

```
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">


        MergeList();
        function MergeList()
        {
            var str1=['a','b','c'];
            var str2=[1,2,3];
            var str3=[];
            var j=0 , k=0;


            for(i=0;i<str1.length+str2.length;i++)
            {
                if(i%2==0)
                {
                        str3[i]=str1[j];
                        j++
                }
                else{
                    str3[i]=str2[k];
                    k++
                }
```

```html
            }
            document.write(str3);


        }



        </script>
    </head>
</html>
```

Ans10..

```html
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        fibonacci();

        function fibonacci(){
                var a=1;
                var b=1;
                var c;

            for(i=0;i<=100;i++)
            {
            document.write(b+ "<br>");
            c=a+b;
            a=b;
            b=c;


            }



        }
        </script>
    </head>
</html>
```

Ans11..

```html
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
```

```
        reverse();
        function reverse(){

            var arr=[24,55,66,3,8,9,99,54];

            document.write(arr.reverse());


        }



        </script>
    </head>
</html>
```

Ans12..

```
html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">


        AddingArrayElement();

        function AddingArrayElement()
        {
            var arr=[2,3,4,5,6,7,8,9];
            var a=0;
            var b=0;
            var c=0;
            var num=arr.length;

            for(i=0;i<num;i++)

            {
                a=a+arr[i];

            }
            document.write(a+ " using for loop <br>");

            i=0;
            while(i<num)
                {
                    b=b+arr[i];
                    i++;
                }
            document.write(b+ " using while loop <br>");
```

```
            i=0;
            do{
                    c=c+arr[i];
                    i++;
            }
            while(i<num);


            document.write( c + " do while loop");



            }



        </script>
    </head>
</html>
```

Ans14…

```
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">

            RandomArray();

            function RandomArray(){

            for(i=1;i<101;i++)
                {
                var arr=[i];
                document.write(arr +" <br> ");
                }
                var a = (Math.max(...arr));
                document.write(a);

                var b = (Math.min(...arr));
                document.write(b);

                sum=sum+arr[i];
                var avg=(sum/arr.length)/100;
                document.write(avg);
```

```
                }

            </script>
        </head>
</html>
```

Ans15..

```html
<html>
    <head>
        <title>
            Java Script
        </title>
        <script type="text/javascript">
        Bubblesorting();
function Bubblesorting()
{
    var a = [66,45,22,41,52,64,96,99,12,33,74];
    var temp, n=a.length;
    for(i=0;i<n-1;i++)
    {
        for(j=0; j<n-i-1;j++)
        {
            if(a[j]>a[j+1])
                {
                    temp = a[j+1];
                    a[j+1] = a[j];
                    a[j] = temp;
                }
        }
    }
    for(i=0;i<n;i++)
    {
        document.write(a[i] + " ");
    }
}
        </script>
    </head>
</html>
```

Ans 16 :

```html
<head>
    <meta charset=utf-8 />
    <title>Create a table</title>
    <style type="text/css">
        body {
            margin: 30px;
        }
    </style>
</head>

<body>
    <table id="myTable" border="1">
    </table>
    <form>
        <input type="button" onclick="createTable()" value="Create the table">
    </form>
    <script>
        function createTable() {
            rn = window.prompt("Input number of rows", 1);
            cn = window.prompt("Input number of columns", 1);

            for (var r = 0; r < parseInt(rn, 10); r++) {
                var x = document.getElementById('myTable').insertRow(r);
                for (var c = 0; c < parseInt(cn, 10); c++) {
                    var y = x.insertCell(c);
                    y.innerHTML = "Row-" + r + " Column-" + c;
                }
            }
        }
    </script>
</body>
```

Ans 17

```html
<body>
    <script>

        function leftRotate(arr, d, n) {
            for (i = 0; i < d; i++)
                leftRotatebyOne(arr, n);
        }

        function leftRotatebyOne(arr, n) {
            var i, temp;
            temp = arr[0];
            for (i = 0; i < n - 1; i++)
                arr[i] = arr[i + 1];
            arr[n - 1] = temp;
        }

        function printArray(arr, n) {
            for (i = 0; i < n; i++)
                document.write(arr[i] + " ");
        }

        var arr = [1, 2, 3, 4, 5, 6, 7];
        leftRotate(arr, 2, 7);
        printArray(arr, 7);

    </script>
```
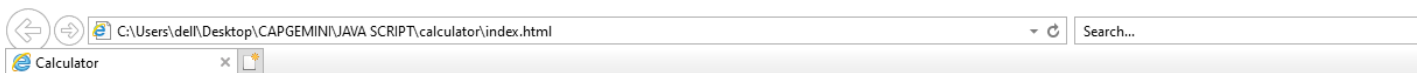
Ans 18 -

```javascript
11
12  function pigLatin(s)
13 ▾ {
14      let len = s.length;
15      let index = -1;
16      for (let i = 0; i < len; i++)
17 ▾    {
18          if (isVowel(s[i]))
19 ▾        {
20              index = i;
21              break;
22          }
23      }
24
25      if (index == -1)
26          return "-1";
27      return s.substring(index) +
28              s.substring(0, index)
29                      + "ay";s
30  }
31  </script>
```

Ans 19-

Search...

Calculator

Calculator

(	)	C	%
7	8	9	X
4	5	6	-
1	2	3	+
/	0	=	.