

## Lab 12 G.Dalaijamts

1.

```

<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>lab12</title>
  <script type="text/javascript">
    var r=window.prompt("riadus : ");

    CircleArea(r);
    function CircleArea(r){
      var s=Math.PI*Math.pow(r,2);
      document.writeln("Talbai : "+s);}

  </script>

```

Talbai : 12.566370614359172

2.

```

<script type="text/javascript">
  var time=window.prompt("Time : ");
  CalculateCharges(time);

  function CalculateCharges( time ){
    if(time<=3){
      document.writeln("Tulbur : 5000");
    }
    else if (time<24 && time>3){
      time=time-3;
      var tulbur=5000+time*1000;
      document.writeln("Tulbur : "+tulbur);
    }
    else if (time>=24){
      document.writeln("Uuchlaarai tanii
        zogsoh tsag hetersen baina !!");
    }
  }

</script>

```

Tulbur : 6000

3.

```
<script type="text/javascript">
    var s=distance(2,2,30,30);
    document.writeln(s);

    function distance(x1,y1,x2,y2){
        return Math.sqrt(Math.pow(x1-x2,2)+Math.pow(y1-y2,2));
    }

</script>
```

39.59797974644666

4.

a)  $1 \leq n \leq 2$

```
<script type="text/javascript">
    var random=Math.floor(Math.random()*2+1);
    window.alert(random);
</script>

</body>
</html>
```

This page says  
2

b)  $1 \leq n \leq 100$

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

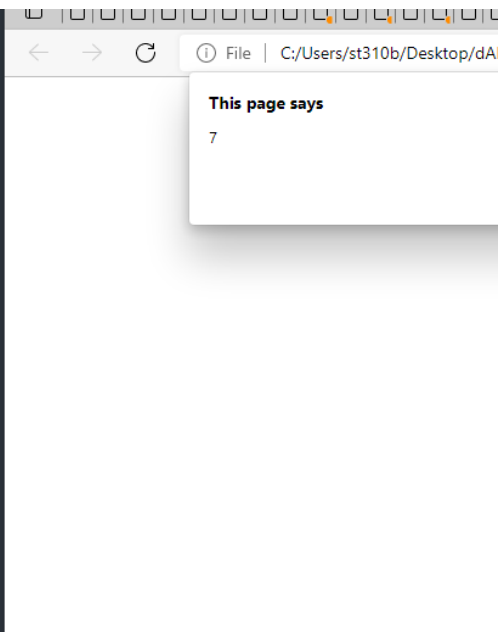
    window.alert(random(1,100));
    function random(min,max){
        return Math.floor(Math.random()*(max-min+1)+min);
    }
</script>

</body>
</html>
```

This page says  
89

c)  $0 \leq n \leq 9$

```
5
6 <script type="text/javascript">
7
8
9
10
11
12 window.alert(random(0,9));
13
14 function random(min,max){
15     return Math.floor(Math.random()*(max-min+1)+min);
16 }
17
18 </script>
19
20 </body>
21 </html>
```



The screenshot shows a web browser window with a file path of C:/Users/st310b/Desktop/dA. A small alert box is displayed in the center of the browser, containing the number 7. The browser's address bar and navigation buttons are visible at the top.

d)  $1000 \leq n \leq 1112$

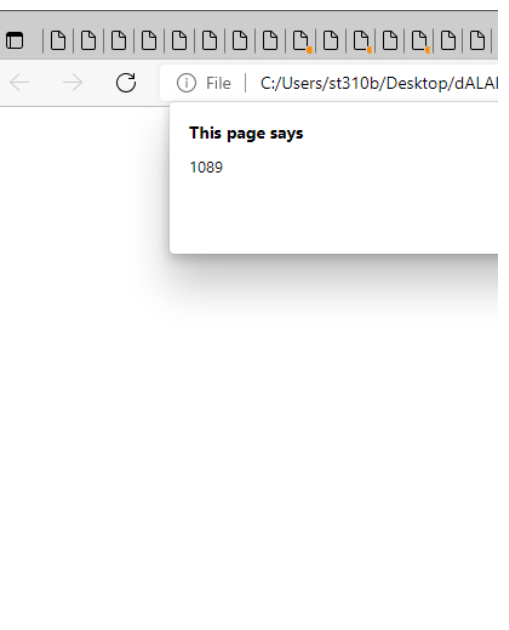
```
<script type="text/javascript">

window.alert(random(1000,1112));

function random(min,max){
    return Math.floor(Math.random()*(max-min+1)+min);
}

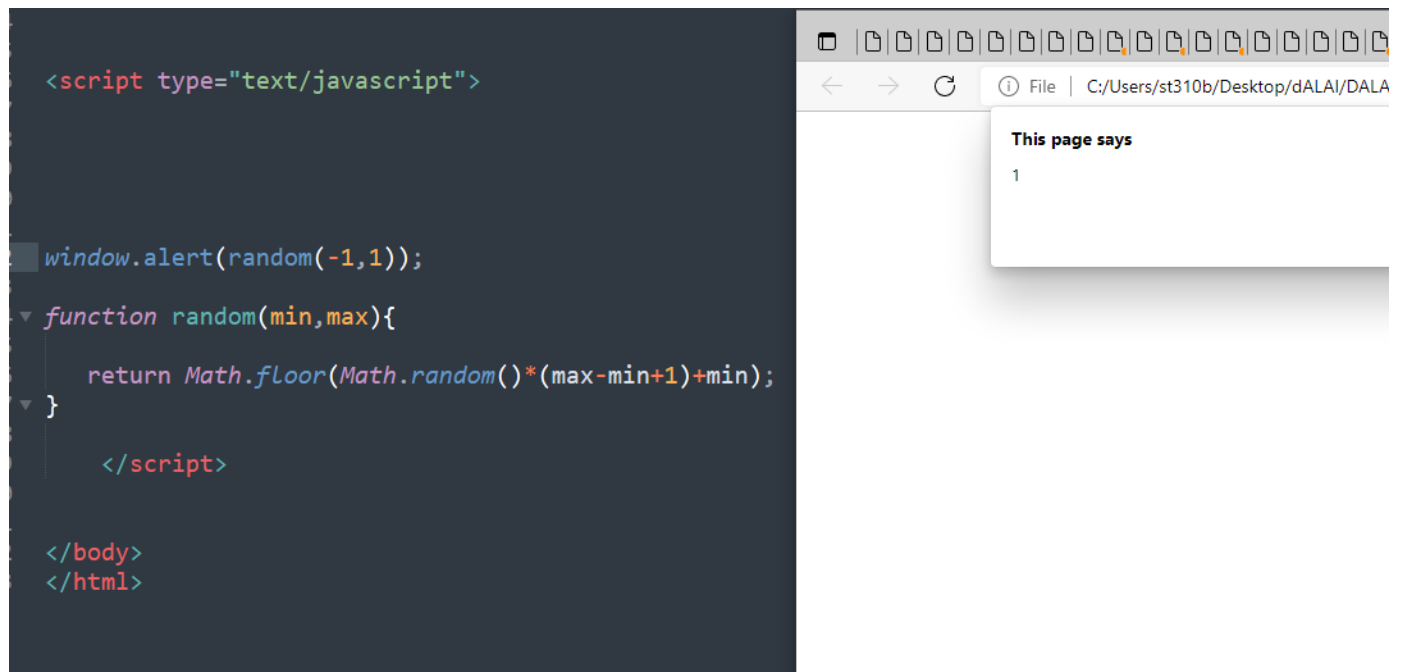
</script>

</body>
</html>
```

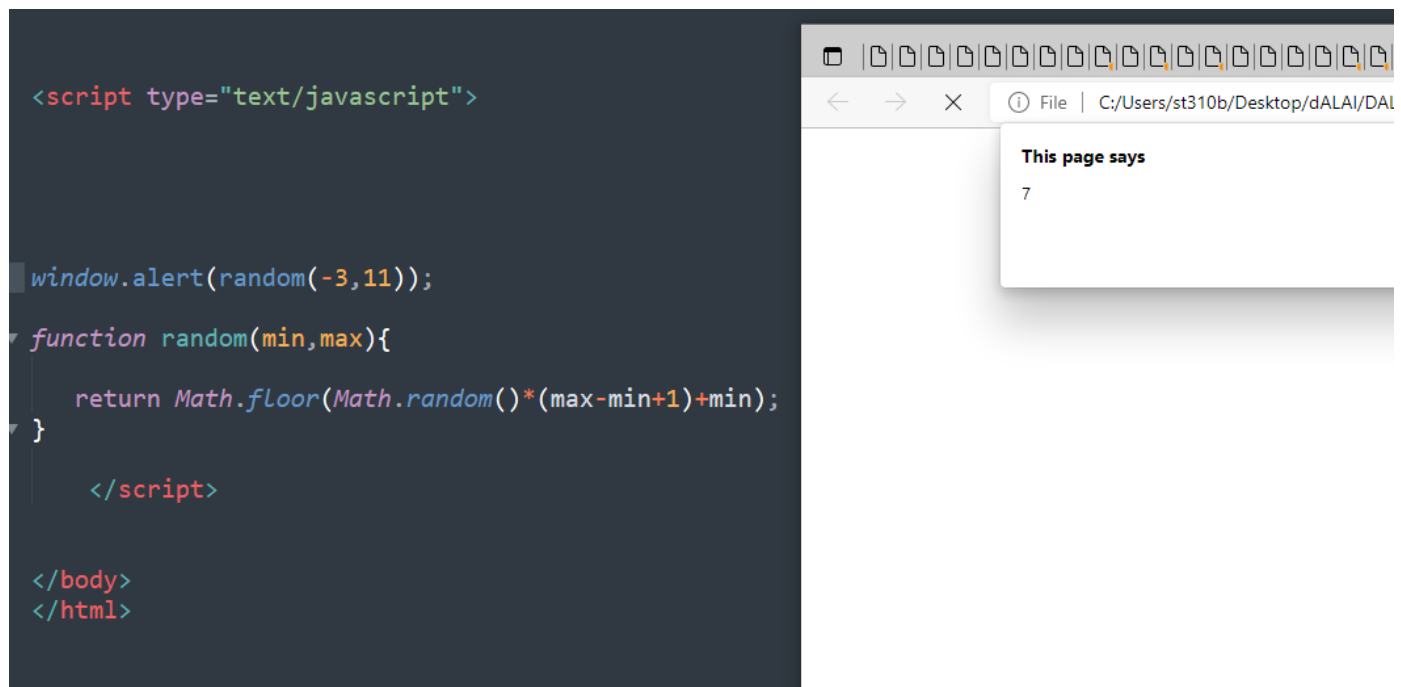


The screenshot shows a web browser window with a file path of C:/Users/st310b/Desktop/dALA. A small alert box is displayed in the center of the browser, containing the number 1089. The browser's address bar and navigation buttons are visible at the top.

e)  $-1 \leq n \leq 1$



f)  $-3 \leq n \leq 11$



5.

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

    var base=window.prompt(" base");
    var exponent=window.prompt("exponent : ");
    integerPower(base, exponent);

    function integerPower( base, exponent ){
        var s=1;
        var str="";
        for (var i=1; i<=exponent; i++){
            s=s*base;
            if(i<exponent){
                str=str+base+"*";
            }
            else { str=str+base+"="}
        }

        document.writeln(str+s);
    }

</script>
```

lab12 x lab12 x lab12

File C:/Users/st310i

3\*3\*3=27

6.

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

    var n1=window.prompt("n1 : ");
    var n2=window.prompt("n2 : ");
    document.writeln("n1 : "+n1+" n2 : "+n2+" multiple : "+multiple(n1,n2));

    function multiple (a,b){
        var bln=false;
        if (a%b==0){ bln=true;}
        return bln;
    }

</script>
```


lab1 lab1 lab1 lab1 lab1 lab1 lab1 x +

File C:/Users/st310b/Desktop/dALAI/DALAI.html

n1 : 4 n2 : 2 multiple : true


7.

```
16 <script type="text/javascript">
17
18
19 var a=new Array(1000);
20
21 for (var i=0; i<=2; i++){
22     a[i]=window.prompt("a["+i+"]");
23 }
24
25 isEven(a);
26
27
28 ▼ function isEven(a){
29
30 ▼     for (var b=0; b<=2; b++){
31 ▼         if(a[b]%2==0){
32             var b1=true;
33             document.write("<br>" + a[b] + "=true");
34         }
35         else {
36             document.write("<br>" + a[b] + "=false");
37         }
38     }
39 ▼ }
40
```



8.

```
9
0 var n=window.prompt("n : ");
1 displayDigits(n);
2
3
4 function divide(a,b){
5     return a/b;
6 }
7 function vld(a,b){
8     return a%b;
9 }
0
1 function displayDigits (n){
2     var str="";
3     str=str+vld(n,10);
4
5     while (n>10){
6         n=Math.floor(divide(n,10));
7         str=vld(n,10)+" "+" "+str;
8     }
9
10    document.writeln(str);
11
12 }
13
14
15
```



9.

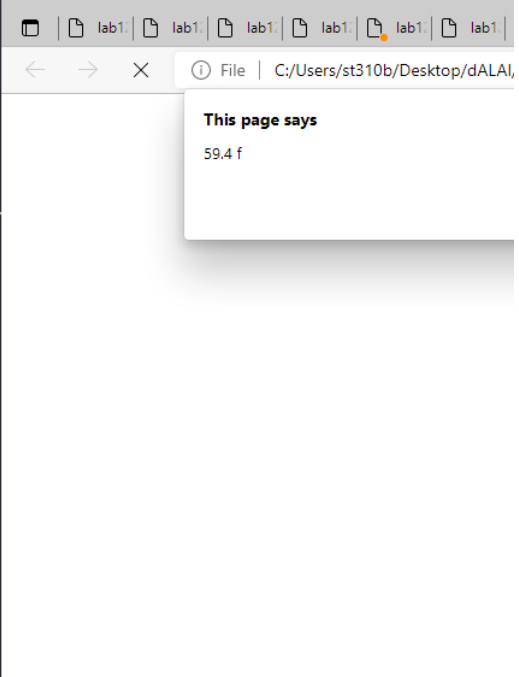
```
<script type="text/javascript">

var ForC=window.prompt("F to C or C to F : ");

if (ForC=="F to C"){
    celsius(window.prompt("f : "));
}
else {fahrenheit (window.prompt("c : ")); }

function celsius (f){
    window.alert( 5/9*(f-32)+" c");
}
function fahrenheit (c){
    c=parseFloat(c);
    window.alert(9/5 *(c+ 32)+" f");
}

</script>
```



10.

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

var a=new Array(1000);

for (var i=0; i<=2; i++){
    a[i]=parseFloat(window.prompt("a["+i+"]"));
}

minimum(...a);

function minimum(array){
    var min=Math.min(array);
    document.writeln("min is "+min);
}

</script>
```

min is -1

11.

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

var point=window.prompt("Point");
qualityPoints ( point );

function qualityPoints ( point ){
    if (point>=90 && point<=100){
        window.alert("A");
    }
    else if (point<90 && point>=80){
        window.alert("B");
    }
    else if (point<80 && point>=70){
        window.alert("C");
    }
    else if (point<70 && point>=60){
        window.alert("D");
    }
    else if (point<60 ){
        window.alert("F");
    }
}

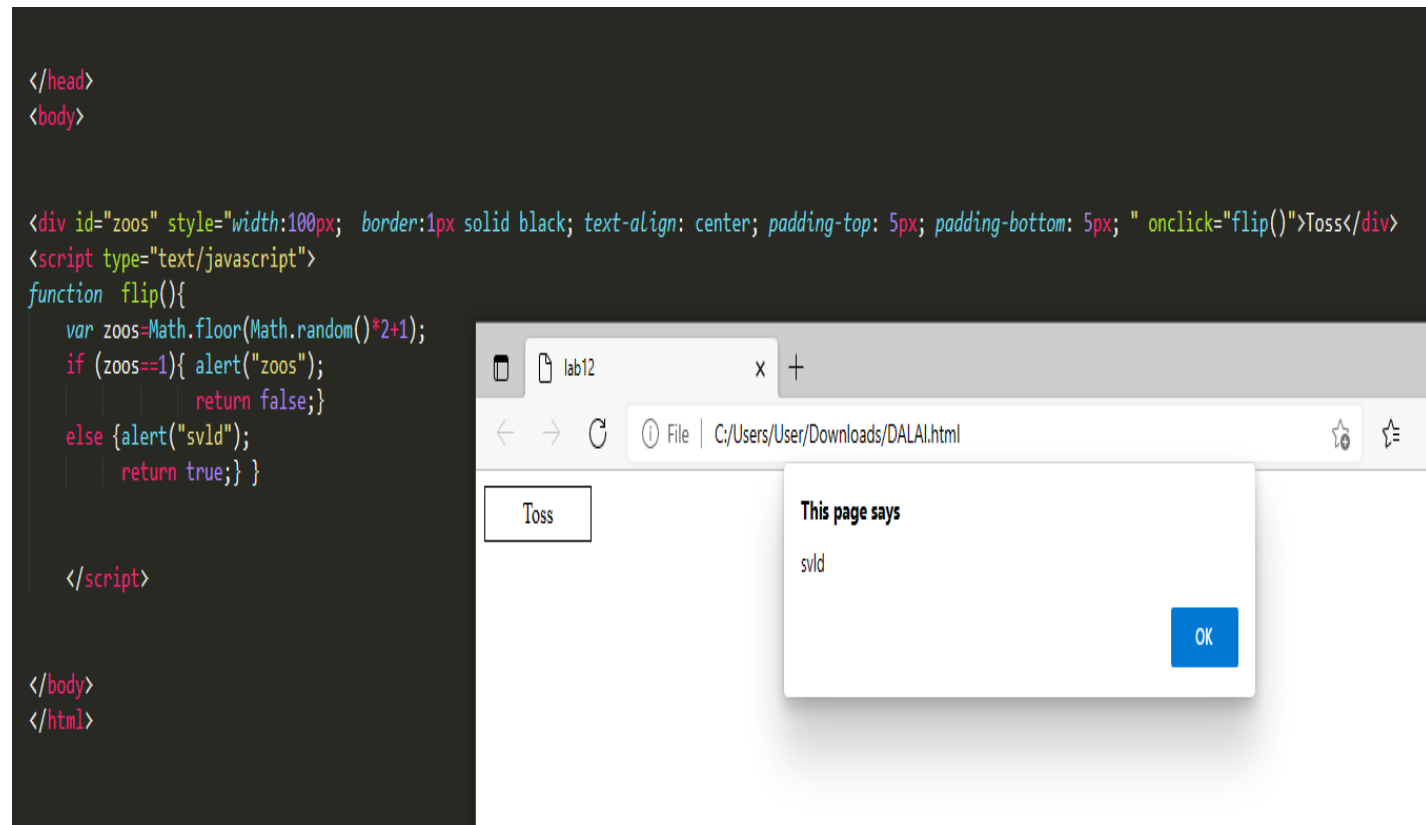
</script>
```

This page says  
D

Activ  
Go to S



12.



```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <meta charset="utf-8">
```

```
    <title>lab12</title>
```

```
</head>
```

```
<body>
```

```
<div id="zoos" style="width:100px; border:1px solid black; text-align: center; padding-top: 5px; padding-bottom: 5px; " onclick="flip()">Toss</div>
```

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

```
function flip(){
```

```
    var zoos=Math.floor(Math.random()*2+1);
```

```
    if (zoos==1){ alert("zoos");
```

```
        return false;}
```

```
else {alert("svld");  
return true;}}
```

```
</script>
```

```
</body>
```

```
</html>
```