Answers:

1) Program Code:

```html
<html>
<head>
<title>Compound Interest</title>
<style>
input{
padding: 6px 5px;
   padding-right: 50px;
   font-size: 15px;
   border-radius: 4px;
   border: 1px solid; }
button{
width: 235px;
   padding: 6px 7px;
   border-radius: 5px;
   border: 1px solid;
        cursor:pointer; }
</style>
</head>
<body>
<input type="number" id="principle" placeholder="Principle Amount"><br><br>
<input type="number" id="rate" placeholder="Rate of Interest"><br><br>
<button onClick="ci()">Calculate</button>
<script>
```

```javascript
function ci()

{

var p = parseInt(document.getElementById("principle").value);

var r = parseInt(document.getElementById("rate").value);

var interest;

var cit;

var total=0;

var compound = p*Math.pow((1+(r/100)),10);

var result = compound-p;

document.write("<br>Compound interest for 10 years is: "+result.toFixed(2));

document.write("<br><br>");

document.write("<table border='2' style='width:300px; border-collapse:collapse; text-align:center; font-size:18px;'>");

document.write("<tr>");

document.write("<th>Year</th>");

document.write("<th>Interest Amount</th>");

document.write("</tr>");

for(let i=1;i<=10;i++) {

document.write("<tr>");

document.write("<td>"+i+"</td>");

cit = p*Math.pow((1+(r/100)),1);

interest = cit-p;

total = total+interest;

document.write("<td>"+interest.toFixed(2)+"</td>");

document.write("</tr>");

p = cit;
```

```
}

document.write("</table>");

document.write("<br>Total is: "+total.toFixed(2));

}

</script>

</body>

</html>
```
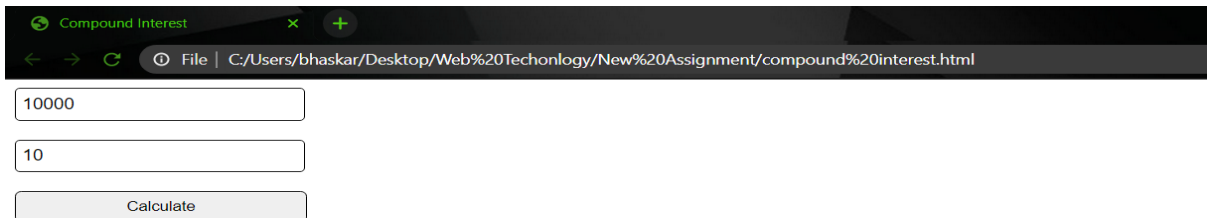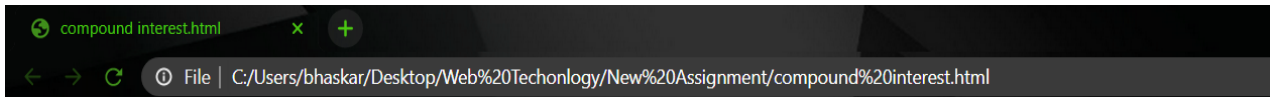
Output:

Compound interest for 10 years is: 15937.42

Year	Interest Amount
1	1000.00
2	1100.00
3	1210.00
4	1331.00
5	1464.10
6	1610.51
7	1771.56
8	1948.72
9	2143.59
10	2357.95

Total is: 15937.42

2) Program Code:

```html
<html>
<head>
<title>Sum and average</title>
<style>
#no{
    padding: 4px 4px;
    padding-right: 30px;
    font-size: 15px;
    border-radius: 4px;
    border: 1px solid;   }
button{
    padding: 3px 24px;
    font-size: 17px;
    border-radius: 4px;
    border: 1px solid;   }
</style>
</head>
<body>
<input type="number" id="no" placeholder="Enter a number"><br><br>
<button onClick="calc()">Calculate</button>
<script>
function calc() {
var n = parseInt(document.getElementById("no").value);
```

```javascript
var sum=0,count=0,average;

for(let i=1;i<=n;i++) {

sum+=i;

count+=1;

}

document.write("<body style= 'font-size:24px'>");

document.write("n = "+n);

document.write("<br>");

document.write("Sum = "+sum);

document.write("<br>");

average = sum/count;

document.write("Average = "+average);

document.write("</body>");

}
</script>
</body>
</html>
```
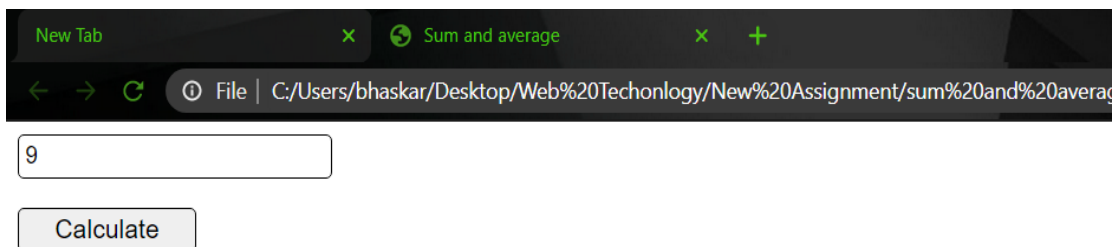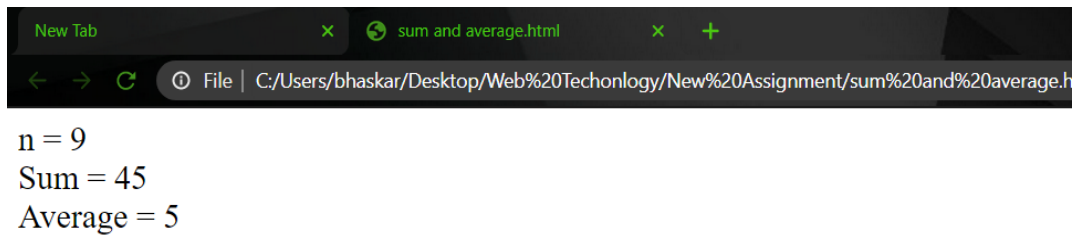
Output:

n = 9

Sum = 45

Average = 5

3) Program Code:

```
<html>

<head>

<title>Random Numbers from 1 to 10</title>

</head>

<body>

<script>

let a = 1;

let b = 10;

document.write("<table border='2' style='border-collapse:collapse; width:500px; padding:5px 6px;'>");

document.write("<caption style='font-size:30px; font-weight:bold;'>Random Numbers</caption>");

document.write("<tr>");

for(i=1;i<=5;i++)  {

document.write("<th style='display:none;'></th>");

}

document.write("</tr>");

for(i=1;i<=5;i++)   {

var result = a + (b-a)*Math.random();
```

```
document.write("<tr>");

document.write("<td style='padding:15px 28px; font-family:sans-serif; font-size:18px;'>"+result+"</td>");

document.write("<td style='padding:15px 28px; font-family:sans-serif; font-size:18px;'>"+result+"</td>");

document.write("<td style='padding:15px 28px; font-family:sans-serif; font-size:18px;'>"+result+"</td>");

document.write("<td style='padding:15px 28px; font-family:sans-serif; font-size:18px;'>"+result+"</td>");

document.write("<td style='padding:15px 28px; font-family:sans-serif; font-size:18px;'>"+result+"</td>");

document.write("</tr>");    }

document.write("</table>");

document.write("<br>");

document.write("<button onClick='location.reload()' style='padding:8px 68px; border-radius:4px; font-size:15px; cursor:pointer; border:1px solid; background-color: antiquewhite;'>Generate</button>");

</script>

</body>

</html>
```
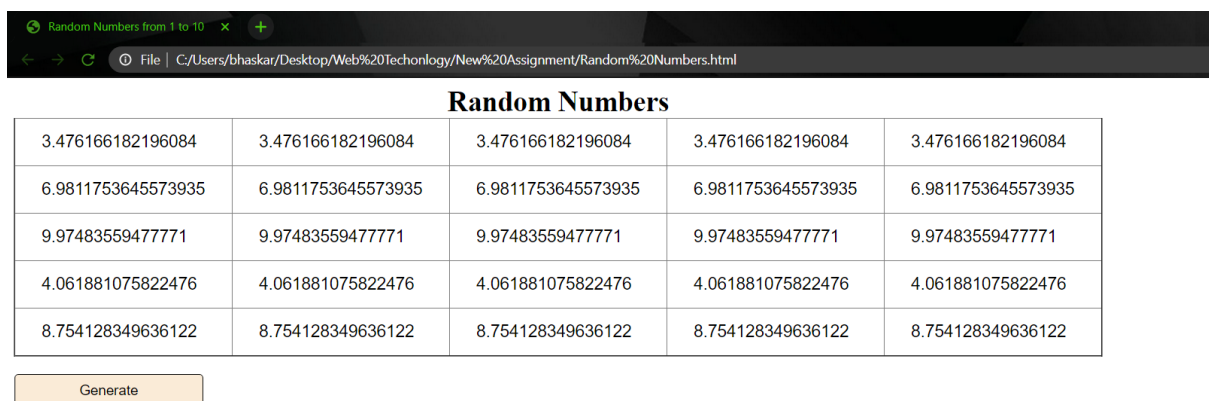
Output:

Random Numbers

3.476166182196084	3.476166182196084	3.476166182196084	3.476166182196084	3.476166182196084
6.9811753645573935	6.9811753645573935	6.9811753645573935	6.9811753645573935	6.9811753645573935
9.97483559477771	9.97483559477771	9.97483559477771	9.97483559477771	9.97483559477771
4.061881075822476	4.061881075822476	4.061881075822476	4.061881075822476	4.061881075822476
8.754128349636122	8.754128349636122	8.754128349636122	8.754128349636122	8.754128349636122

Generate