

OSTL

Week 8

Udeet Mittal

CSE C3

Roll Number 64

1.

Filename: q1.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Week8 Q1</title>
```

```
</head>
```

```
<body>
```

```
  <canvas id="myCanvas" width="200" height="300" style="">
```

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

```
var r1 =document.getElementById("myCanvas");
```

```
var rect1 = r1.getContext("2d");
```

```
rect1.fillStyle = "pink";
```

```
rect1.fillRect(0, 0, 150, 200);
```

```
var r2 = document.getElementById("myCanvas");
```

```
var rect2 = r2.getContext("2d");
```

```
rect2.fillStyle = "green";
```

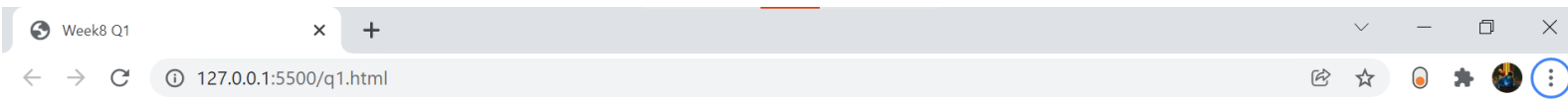
```
rect1.rotate(37 * Math.PI / 180);
```

```
rect2.fillRect(70, -40, 150, 200);
```

```
</script>
```

```
</body>
```

```
</html>
```



2.

Filename: q2.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Week8 Q2</title>
```

```
</head>
```

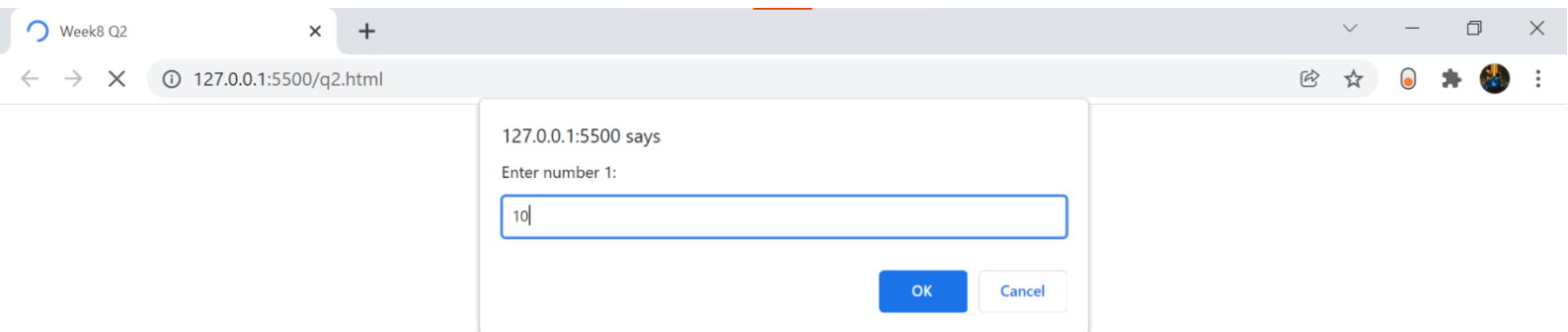
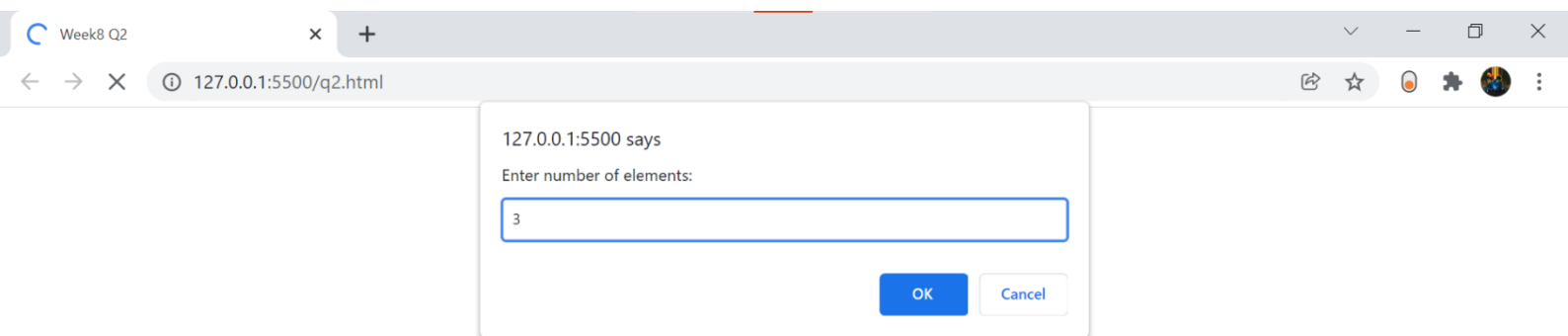
```
<body>
```

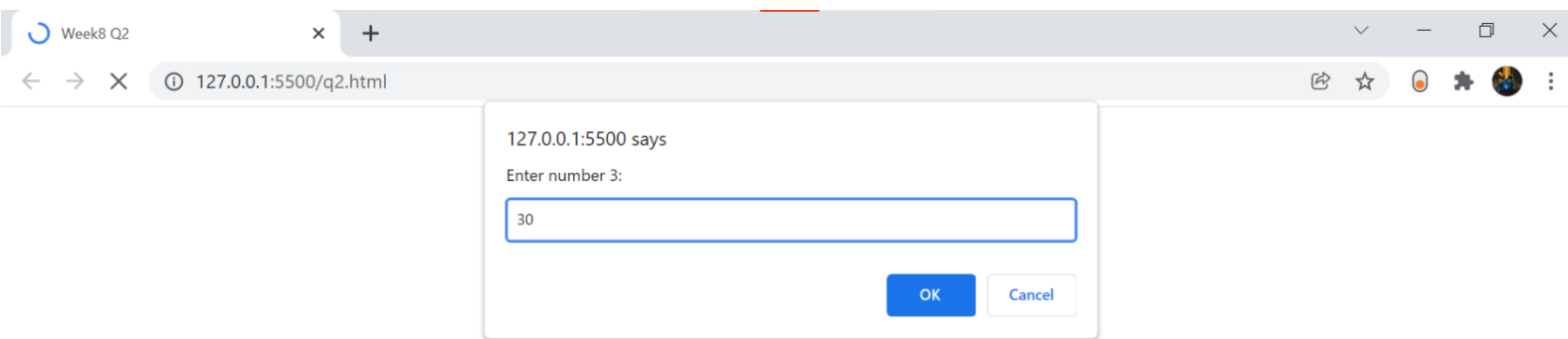
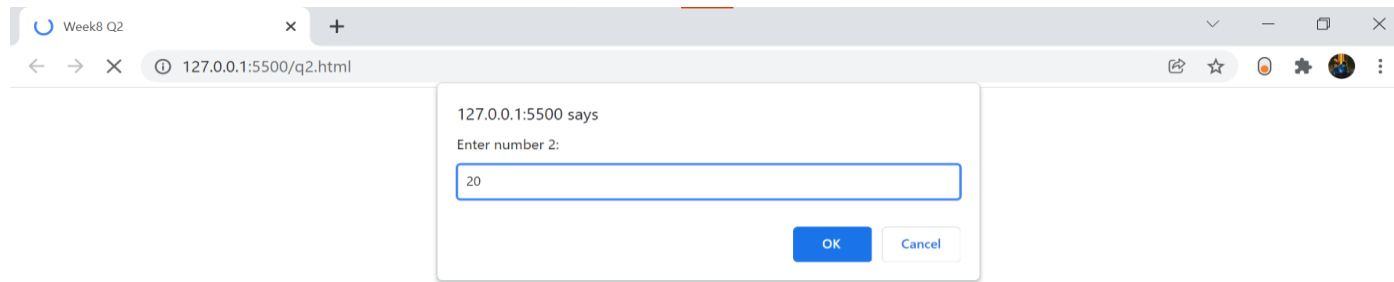
```
<div id="sum"></div>

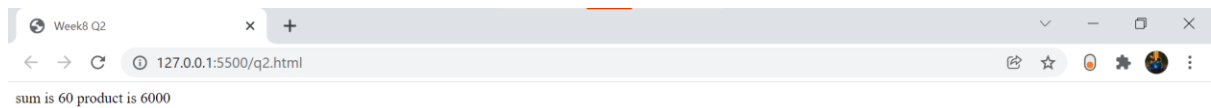
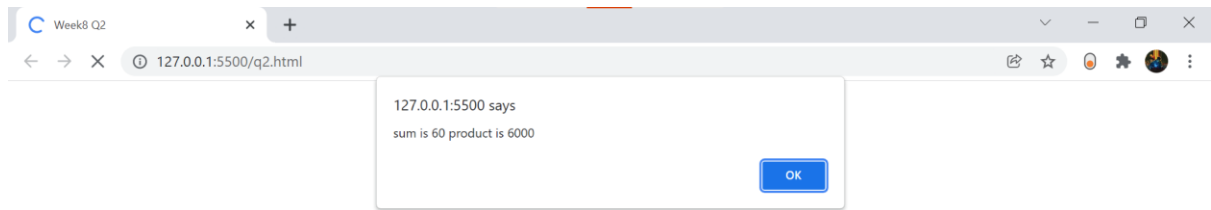
<script>
    var sum = 0;
    var num = prompt("Enter number of elements:");
    var arr = Array();
    var n;
    var product = 1;
    for (var i = 0; i < num; i = i + 1) {
        n = prompt("Enter number " + (i + 1) + ":");
        sum += parseInt(n);
        product *= n;
    }
    document.getElementById("sum").innerHTML = "sum is " + sum + " product is " + product;
    alert("sum is " + sum + " product is " + product);
</script>

</body>

</html>
```







3.

Filename: q3.html

`<!DOCTYPE html>`

`<html>`

```
<head>
```

```
  <title>Week8 Q3</title>
```

```
</head>
```

```
<body>
```

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

```
    var a =
```

```
      parseInt(prompt("Enter number 1:"));
```

```
    var b = parseInt(prompt("Enter number 2:"));
```

```
    var
```

```
      c = parseInt(prompt("Enter number 3:"));
```

```
    if (a > b) {
```

```
      if (a > c) {
```

```
        max = a;
```

```
      } else {
```

```
        max = c;
```

```
      }
```

```
    } else
```

```
    if (b > a) {
```

```
      if (b > c) {
```

```
        max = b;
```

```
      } else {
```

```
        max = c;
```

```
      }
```

```
    }
```

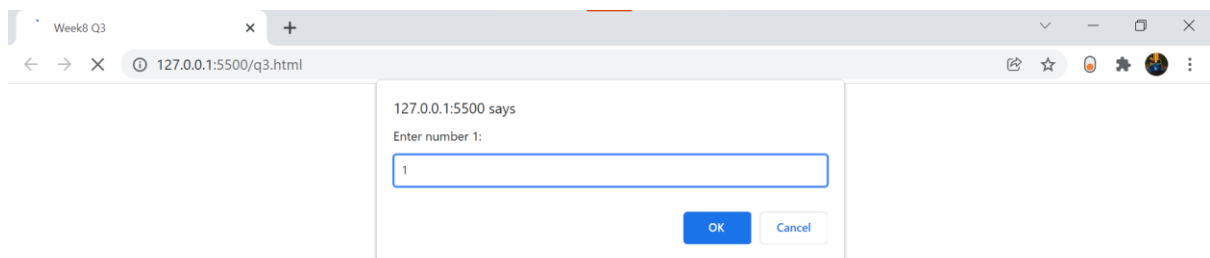
```
    alert("Maximum is:" + max);
```

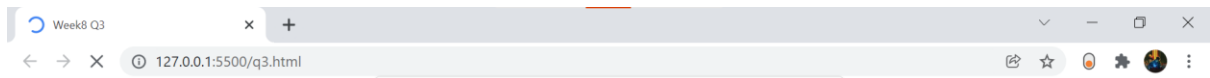
```
    if (a > b && c > b) {
```

```
      min
```

```
        = b;
    } else if (b > a && c > a) {
        min
        = a;
    } else {
        min = c;
    }
    alert("Minimum is:" + min);
</script>
</body>

</html>
```



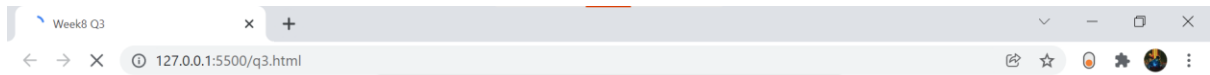


127.0.0.1:5500 says

Enter number 2:

OK

Cancel

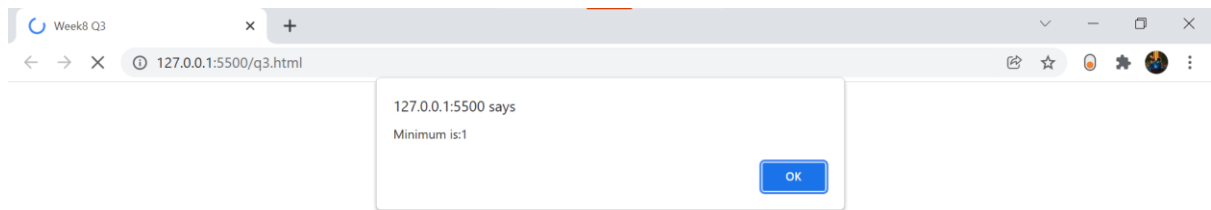
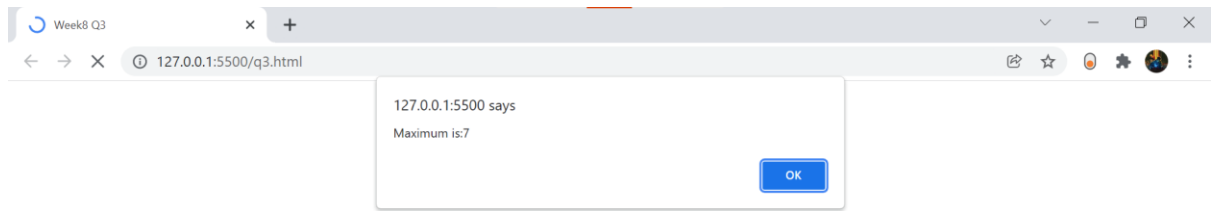


127.0.0.1:5500 says

Enter number 3:

OK

Cancel



4.

Filename: q4.html

<!DOCTYPE html>

<html>

<head>

```
<title>Week8 Q4</title>
</head>
<style>
  * {
    margin: 10px;
  }
</style>

<body>
  <script type="text/javascript">
    function check() {
      var input = document.getElementById("inp").value;
      var output = document.getElementById("out")
      if (input.match(/(true)|(false)/g))
        output.setAttribute("value", "Boolean");
      else if (input.match(/[A-z]/g))
        output.setAttribute("value", "String");
      else
        output.setAttribute("value", "Integer");
    }
  </script>
  <input type="text" name="in" id="inp" placeholder="Enter Value"> <br><br>
  <input type="text" name="out" id="out" placeholder="Data Type">
  <br>
  <button onclick="check()">
    Check
  </button>
</body>
```

</html>

Week8 Q4

127.0.0.1:5500/q4.html

☆

1

Integer

Check

Week8 Q4

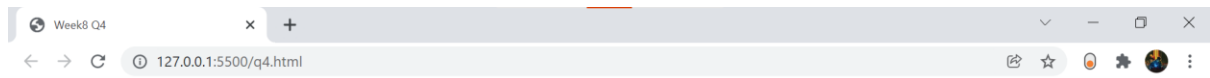
127.0.0.1:5500/q4.html

☆

udeet

String

Check



5.

Filename: q5.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Week8 Q5</title>
```

```
</head>
```

```
<body>
```

```
  <canvas id="canvas" width="200" height="200">
```

```
</canvas>
```

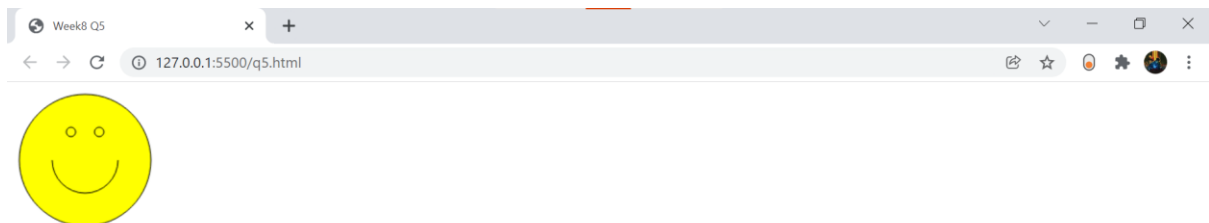
```
  <script type="text/javascript">
```

```
    var canvas =
```

```
      document.getElementById('canvas');
```

```
    var ctx =
```

```
        canvas.getContext('2d');  
        ctx.beginPath();  
        ctx.fillStyle = "yellow";  
        ctx.arc(75, 75, 70, 0, Math.PI * 2, true);  
        ctx.fill();  
        ctx.moveTo(110, 75);  
        ctx.arc(75, 75, 35, 0, Math.PI, false);  
        ctx.moveTo(65, 45);  
        ctx.arc(60, 45, 5, 0, Math.PI * 2, true);  
        ctx.moveTo(95, 45);  
        ctx.arc(90, 45, 5, 0, Math.PI * 2, true);  
        ctx.stroke();  
    </script>  
</body>  
  
</html>
```



6.

Filename: q6.html

```
<!DOCTYPE html>

<html>

<head>
    <title>Week8 Q6</title>
</head>
<style>
    * {
        margin: 10px;
    }
</style>

<body>
    <div id="sum"></div>
    <button onclick="Insert()">Insert</button><br><br>
    <button onclick="Delete()">Delete</button><br><br>
    <button onclick="Display()">Display</button>
    <div id="disp"></div>
    <script>
        var sum = 0;
        var arr = Array();
        var n;
        var i = 0;

        function Insert() {
            var x = prompt("Enter a Number:");
            arr[i++] = x;
        }
```

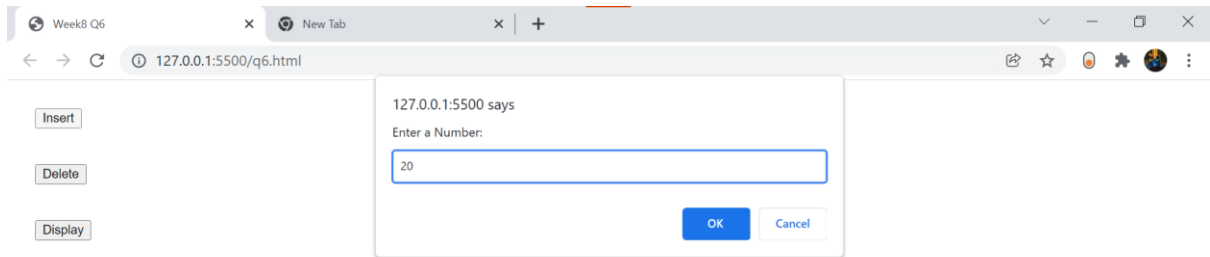
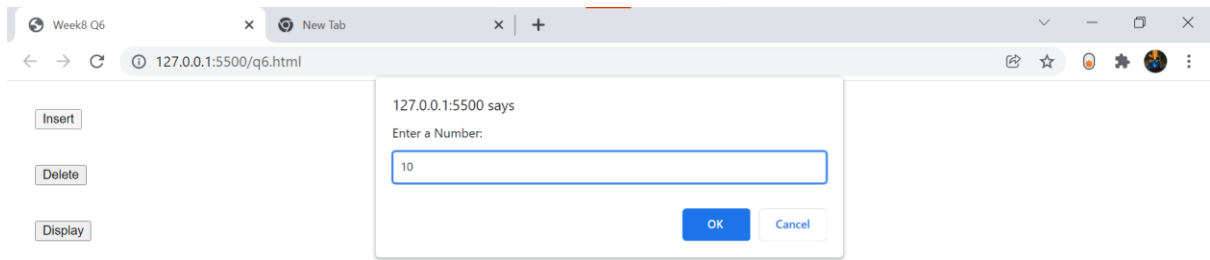
```
function Delete() {  
    var ele = prompt("Enter element to be deleted:");  
    for (var j = 0; j < arr.length; j = j + 1) {  
        if (ele == arr[j]) {  
            arr[j] = " ";  
            alert("Found at location: " + (j + 1));  
            break;  
        }  
    }  
}
```

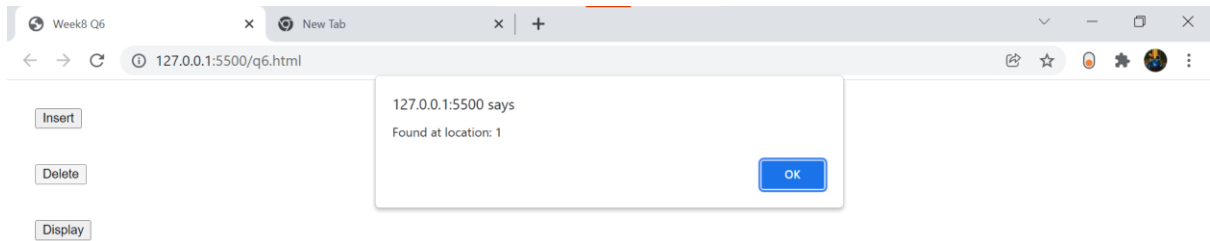
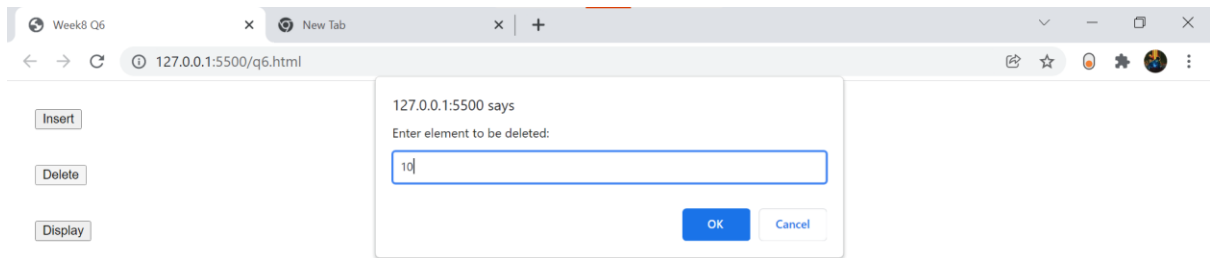
```
function Display() {  
    for (var j = 0; j < arr.length; j = j + 1) {  
        document.write(arr[j]);  
        console.log(arr[j]);  
        console.log("");  
    }  
}
```

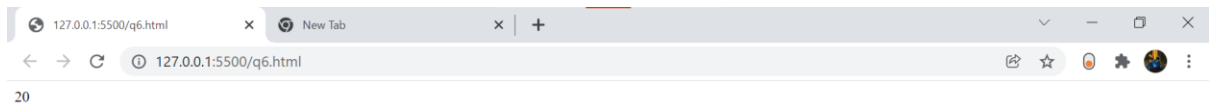
```
</script>
```

```
</body>
```

```
</html>
```





(when display is clicked)

7.

Filename: q7.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Week8 Q7</title>
```

```
</head>
```

```
<body>
```

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

```
    function calc() {
```

```
      var sum = 0;
```

```
      for (var i = 1; i <= 4; i++) {
```

```
        sum += parseInt(document.getElementById('m' + i).value);
```

```
      }
```

```

    var avg = sum / 4;
    var grade = "";
    if (avg <= 60) grade = 'Fail';
    else if (avg <= 70 && avg > 60) grade = 'D';
    else if (avg <= 80 && avg > 70) grade = 'C';
    else if (avg <= 90 && avg > 80) grade = 'B';
    else grade = 'A';
    alert(grade);
}
</script>

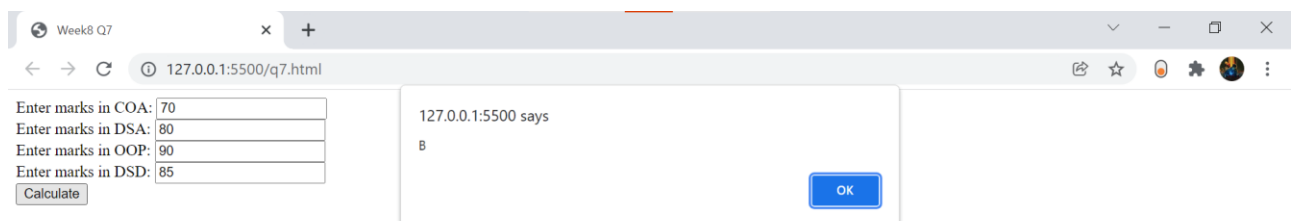
Enter marks in COA: <input type="text" name="m1" id="m1"><br> Enter marks in
DSA: <input type="text" name="m2" id="m2"><br> Enter marks in OOP: <input
type="text" name="m3" id="m3"><br> Enter marks in DSD: <input type="text"
name="m4" id="m4"><br>

<button onclick="calc()">Calculate</button>

</body>

</html>

```



8.

Filename: q8.html

```
<!DOCTYPE html>

<html>

<head>
    <title>Week8 Q8</title>
</head>

<body>
    <script type="text/javascript">
        function change() {
            var canv = document.getElementById('myCanvas');
            if (document.getElementById('red').checked) canv.style['background-color'] =
"red";
            else if (document.getElementById('blue').checked) canv.style['background-
color'] =
                "blue";
            else if (document.getElementById('green').checked) canv.style['background-
color'] =
                "green";
        }
    </script>

    <input type="radio" name="color" value="red" onchange="change()"
id="red">Red <br>

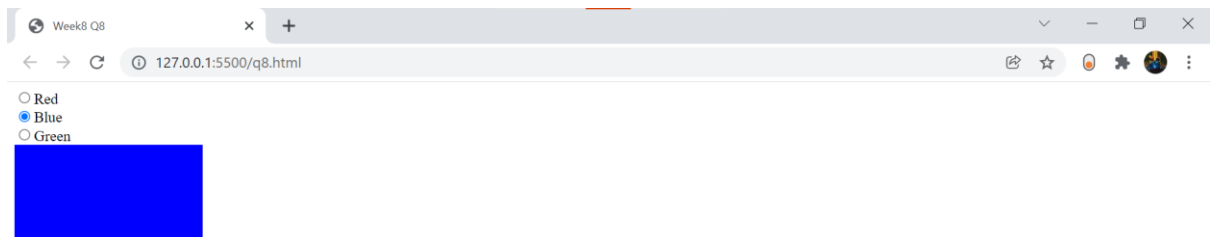
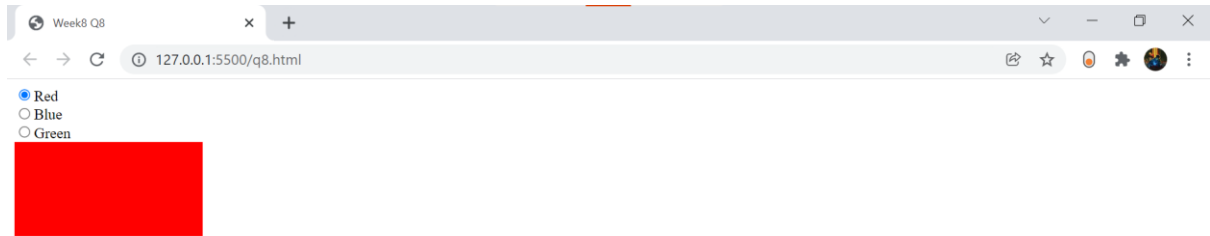
    <input type="radio" name="color" value="blue" onchange="change()"
id="blue">Blue <br>

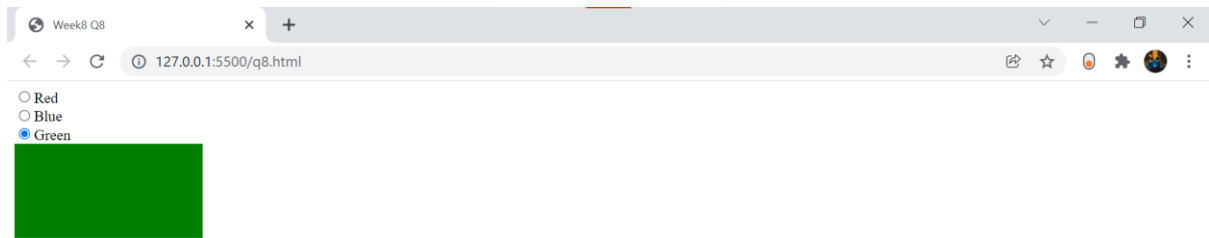
    <input type="radio" name="color" value="green" onchange="change()"
id="green">Green <br>

    <canvas id="myCanvas" width="200" height="100"></canvas>
```

</body>

</html>





9.

Filename: q9.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Week8 Q9</title>
```

```
</head>
```

```
<body>
```

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

```
    function check_name() {
```

```
      var name =
```

```
        document.getElementById('name').value;
```

```
      if (name.match(/[a-z]/g)) {
```

```
        document.getElementById('namesp').style.color = "red";
```

```
        document.getElementById('namesp').innerHTML = 'X';
```

```

    } else {
        document.getElementById('namesp').style.color = "green";
        document.getElementById('namesp').innerHTML = '✓';
    }
}

```

```

function check_number() {
    var phone =
        document.getElementById('pnum').value;
    if (phone.length !=
        10) {
        document.getElementById('psp').style.color =
            "red";
        document.getElementById('psp').innerHTML = 'X';
    } else {
        document.getElementById('psp').style.color = "green";
        document.getElementById('psp').innerHTML = '✓';
    }
}

```

</script>

Name [take only capital letters]: <input type="text" name="name" onkeyup="check_name()" id="name">
 Password [show stars]:<input type="password" name="pswd">
 Phone Number [10 digits only]: <input type="text" name="pnum"

onkeyup="check_number()" id="pnum">

</body>

</html>

Week8 Q9

127.0.0.1:5500/q9.html

Name [take only capital letters]: qwq X

Password [show stars]: *****

Phone Number [10 digits only]: 23425 X

Week8 Q9

127.0.0.1:5500/q9.html

Name [take only capital letters]: UDEET ✓

Password [show stars]: *****

Phone Number [10 digits only]: 9921215750 ✓

10.

Filename:q10.html

<!DOCTYPE html>

<html>

<head>

<title>Week8 Q10</title>

</head>

<body>

<h1>Online Quiz</h1>

<script type="text/javascript">

function calculate_score() {

var score = 0;

if (document.getElementById("q11").checked) score += 1;

if (document.getElementById("q23").checked) score += 1;

if (document.getElementById("q32").checked) score += 1;

if (document.getElementById("q42").checked) score += 1;

document.getElementById('Score').innerHTML = " " + score + "/4";

}

</script>

Who was Iron Marshal of France ?

<input type="radio" name="q1" id="q11">Davout

<input type="radio" name="q1" id="q12">Suchet

<input type="radio" name="q1" id="q13">Lannes

 When did Napoleon win Battle of Austerlitz ?

<input type="radio" name="q2" id="q21">1812

<input type="radio" name="q2" id="q22">1807

<input type="radio" name="q2" id="q23">1805

 Which coup brought Napoleon to power?

<input type="radio" name="q3" id="q31">Paris Coup

<input type="radio" name="q3" id="q32">Coup of 18 Brumaire

<input type="radio" name="q3" id="q33">Robbespiere Coup

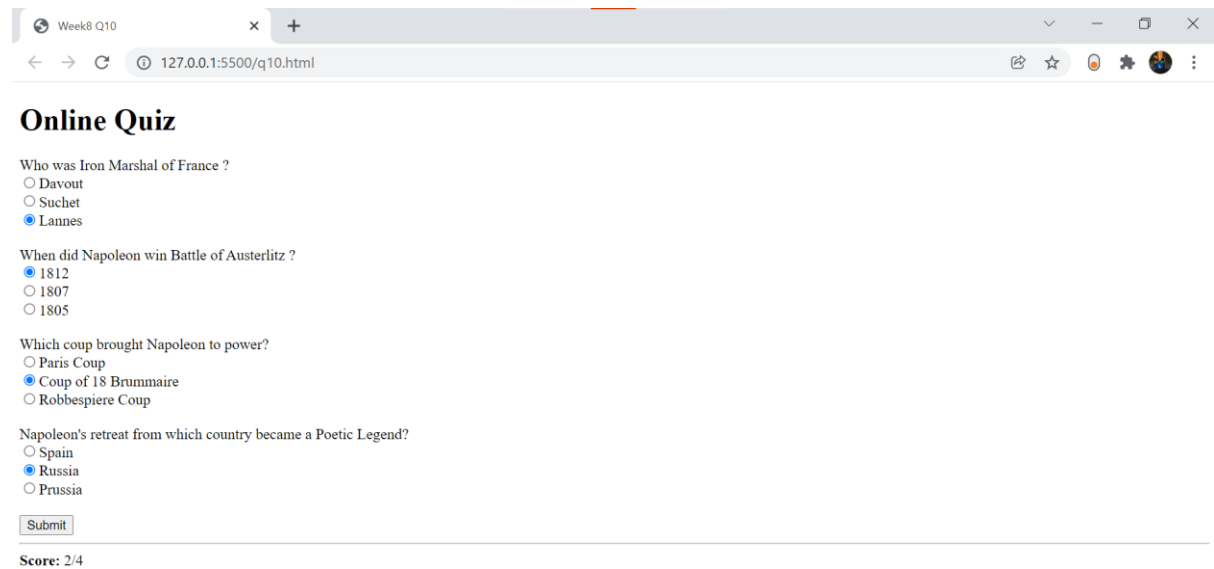
 Napoleon's retreat from which country became a Poetic Legend?

<input type="radio" name="q4" id="q41">Spain

<input type="radio" name="q4" id="q42">Russia


```
<input type="radio" name="q4" id="q43">Prussia<br>
<br>
<button onclick="calculate_score()">Submit</button>
<br>
<hr>
<b>Score:</b><span id="Score"></span>
</body>

</html>
```



The screenshot shows a web browser window with a single tab titled "Week8 Q10". The address bar displays "127.0.0.1:5500/q10.html". The page content is titled "Online Quiz" and contains four multiple-choice questions. The first question is "Who was Iron Marshal of France ?" with options "Davout", "Suchet", and "Lannes" (selected). The second question is "When did Napoleon win Battle of Austerlitz ?" with options "1812" (selected), "1807", and "1805". The third question is "Which coup brought Napoleon to power?" with options "Paris Coup", "Coup of 18 Brumaire" (selected), and "Robbespiere Coup". The fourth question is "Napoleon's retreat from which country became a Poetic Legend?" with options "Spain", "Russia" (selected), and "Prussia". A "Submit" button is located at the bottom of the quiz area. Below the button, the text "Score: 2/4" is displayed.

Week8 Q10

127.0.0.1:5500/q10.html

Online Quiz

Who was Iron Marshal of France ?

- ☐ Davout
- ☐ Suchet
- ☒ Lannes

When did Napoleon win Battle of Austerlitz ?

- ☒ 1812
- ☐ 1807
- ☐ 1805

Which coup brought Napoleon to power?

- ☐ Paris Coup
- ☒ Coup of 18 Brumaire
- ☐ Robbespiere Coup

Napoleon's retreat from which country became a Poetic Legend?

- ☐ Spain
- ☒ Russia
- ☐ Prussia

Submit

Score: 2/4

Online Quiz

Who was Iron Marshal of France ?

- ☒ Davout
- ☐ Suchet
- ☐ Lannes

When did Napoleon win Battle of Austerlitz ?

- ☐ 1812
- ☐ 1807
- ☒ 1805

Which coup brought Napoleon to power?

- ☐ Paris Coup
- ☒ Coup of 18 Brumaire
- ☐ Robbepiere Coup

Napoleon's retreat from which country became a Poetic Legend?

- ☐ Spain
- ☒ Russia
- ☐ Prussia

Submit

Score: 4/4