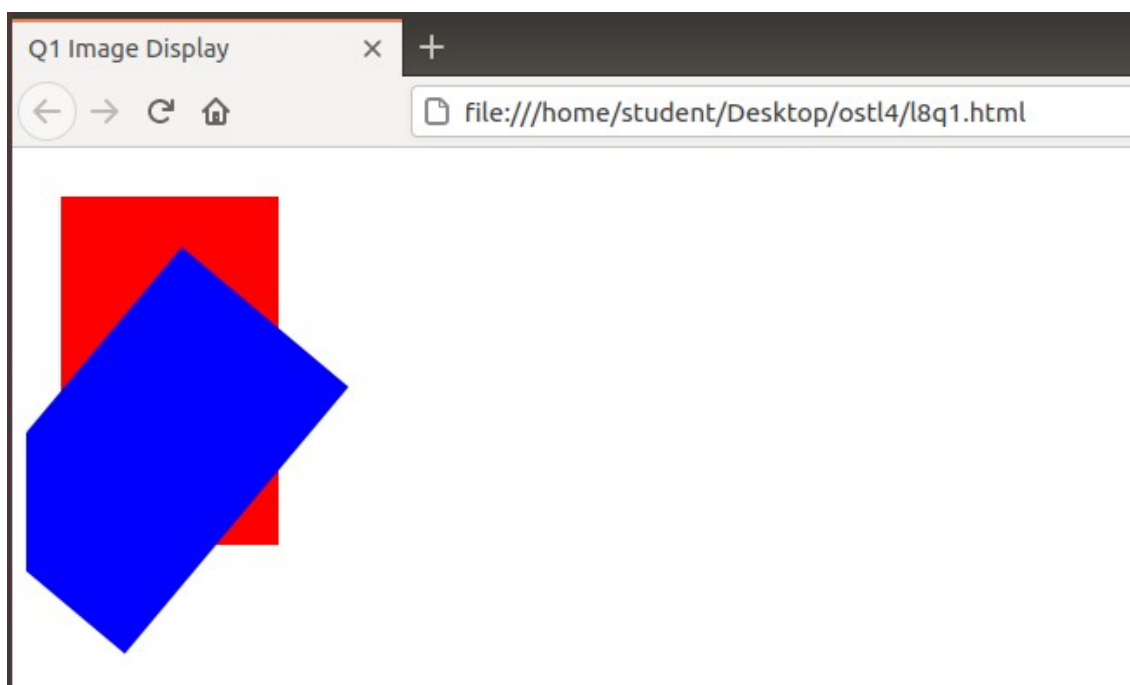


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OST Lab 8 (Session 4)

Q1)

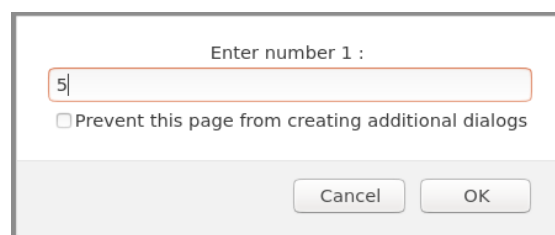
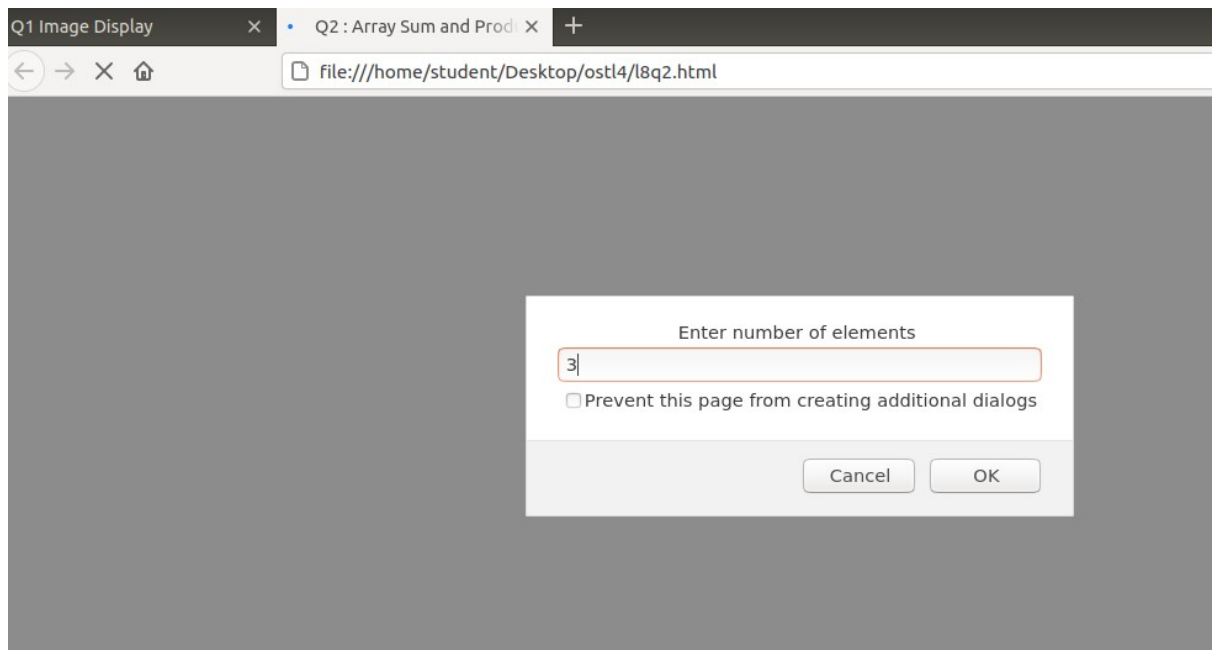
```
<!DOCTYPE html>
<html>
<head>
  <title>Q1 Image Display </title>
  <style type="text/css">
    *{
      text-align: left;
    }
  </style>
</head>
<body>
  <canvas id="myCanvas" width="200" height="300">
    <script type="text/javascript">
      var c = document.getElementById("myCanvas");
      var ctx = c.getContext("2d");
      ctx.fillStyle = "red";
      ctx.fillRect(20, 20, 125, 200);
      var d = document.getElementById("myCanvas");
      var dtx = d.getContext("2d");
      dtx.fillStyle = "blue";
      ctx.rotate(40 * Math.PI / 180);
      dtx.fillRect(100, -20, 125, 200);
    </script>
  </canvas>
</body>
</html>
```



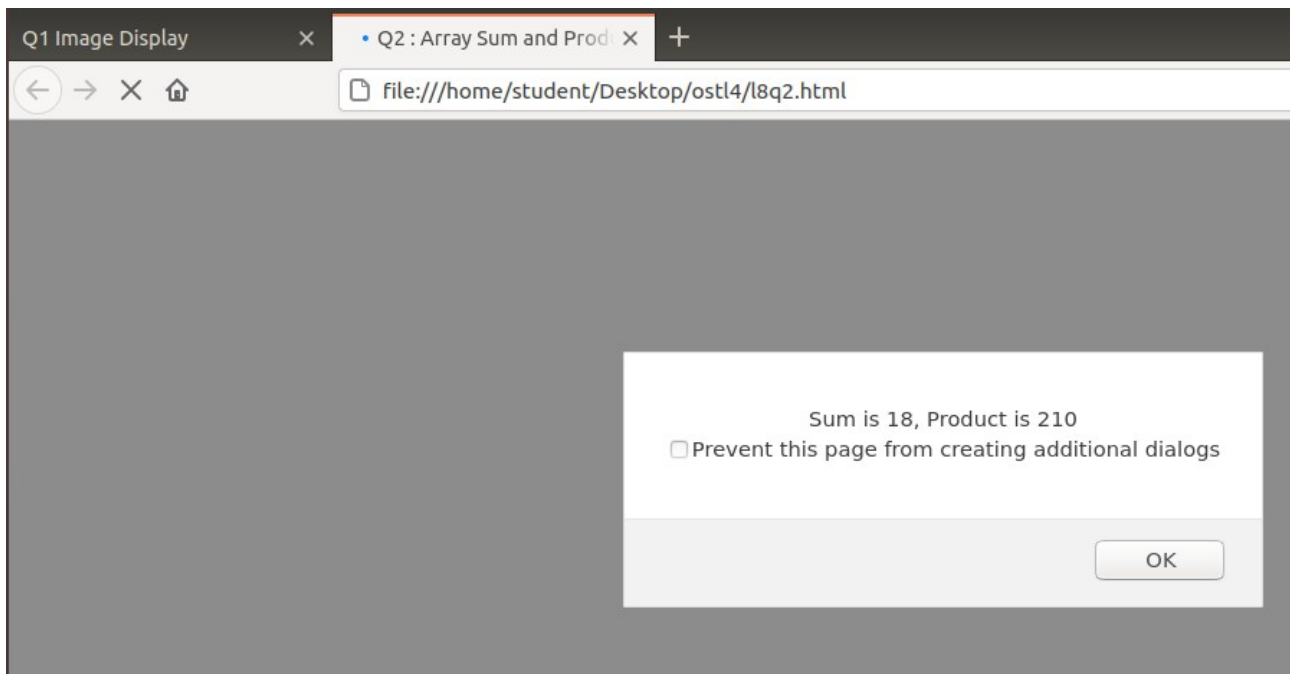
```

Q2)
<!DOCTYPE html>
<html>
<head>
  <title>Q2 : Array Sum and Product</title>
</head>
<body>
  <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;
    }
    alert("Sum is " + sum + ", Product is " + product);
  </script>
</body>
</html>

```



(Similary 3 numbers taken as input : 5,6 and 7)



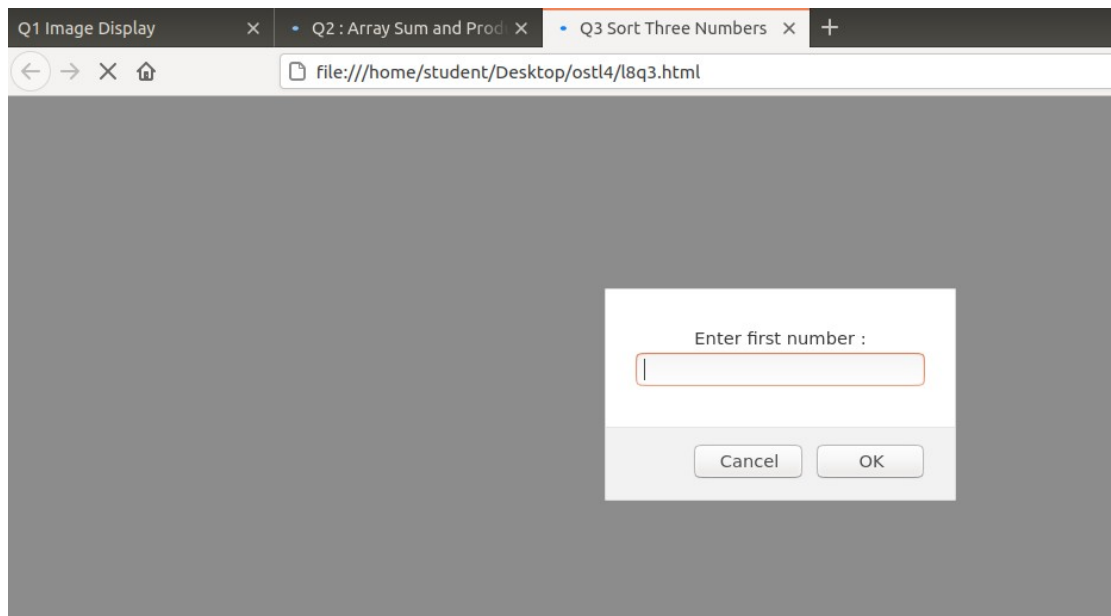
Q3)

```
<!DOCTYPE html>
<html>
<head>
  <title>Q3 Sort Three Numbers</title>
</head>
<body>
<script type="text/javascript">
  var a = parseInt(prompt("Enter first number :"));
  var b = parseInt(prompt("Enter second number :"));
  var c = parseInt(prompt("Enter third number :"));
  if(a > b){
    if(a > c){
      max = a;
    }
    else{
      max = c;
    }
  }
  else if( b > a){
    if(b > c){
      max = b;
    }
    else{
      max = c;
    }
  }
  alert("Max is " + max);
  if(a > b && c > b){
    min = b;
  }
}
```

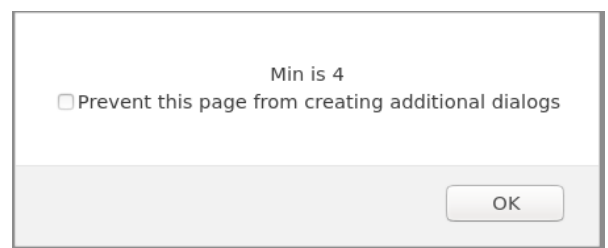
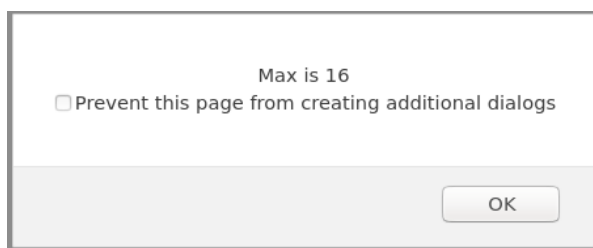
```

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

```



Like this i take three inputs, in this case they are 14,12,16



Q4)

```

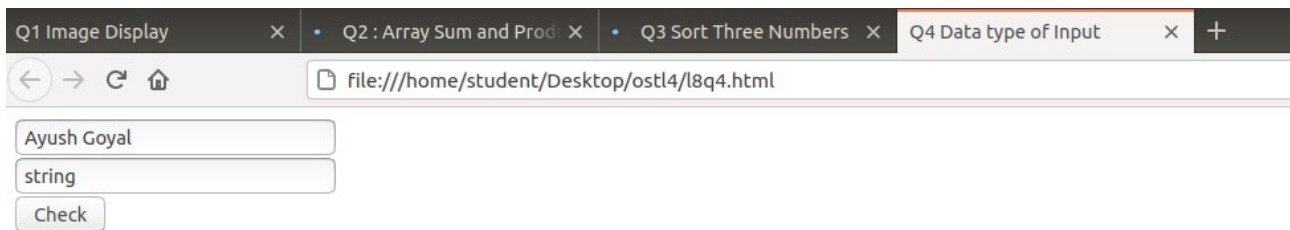
<!DOCTYPE html>
<html>
<head>
    <title>Q4 Data type of Input</title>
</head>
<body>
    <script type="text/javascript">
        function checkInput() {
            var input = document.getElementById("inp").value;
            var output = document.getElementById("out")
            if (input.match(/(true)|(false)/g))
                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 something..."><br>
<input type="text" name="out" id="out"><br>
<button onclick="checkInput()">Check</button>
</body>
</html>

```



Q5)

```

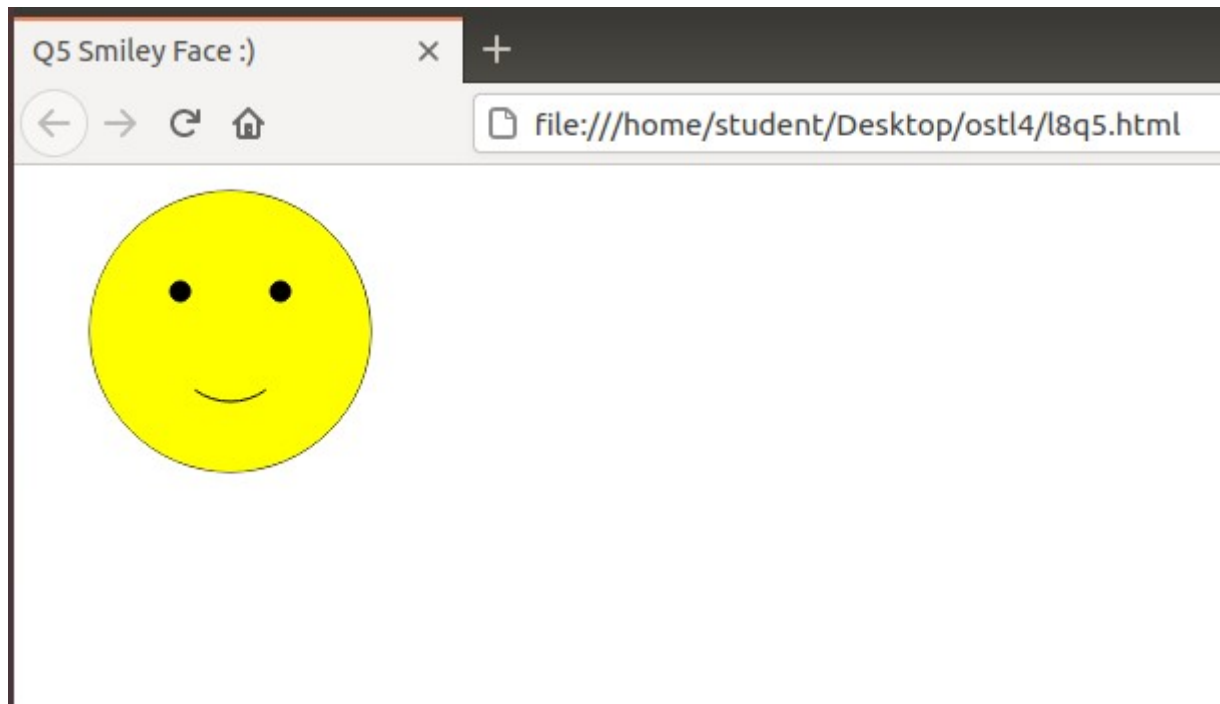
<!DOCTYPE html>
<html>
<head>
    <title>Q5 Smiley Face :)</title>
</head>
<body>
    <canvas id="myCanvas" width="400" height="250">
        <script type="text/javascript">
            var c = document.getElementById("myCanvas");
            var ctx = c.getContext("2d");
            ctx.beginPath();
            ctx.arc(100, 75, 70, 0, 2 * Math.PI);
            ctx.stroke();ctx.fillStyle = " #FFFF00";
            ctx.fill();
            var d = document.getElementById("myCanvas");
            var dtx = d.getContext("2d");
            dtx.beginPath();
            dtx.arc(75, 55, 5, 0, 2 * Math.PI);
            dtx.stroke();
            dtx.fillStyle = "black";
            dtx.fill();
            var e = document.getElementById("myCanvas");
            var etx = e.getContext("2d");
            etx.beginPath();
            etx.arc(125, 55, 5, 0, 2 * Math.PI);
            etx.stroke();
            etx.fillStyle = "black";
            etx.fill();
            var f = document.getElementById("myCanvas");

```

```

    var ftx = f.getContext("2d");
    ftx.beginPath();
    ftx.arc(100, 80, 30, 0.3 * Math.PI, 0.7 * Math.PI);
    ftx.stroke();
  </script>
</canvas>
</body>
</html>

```



Q6)

```

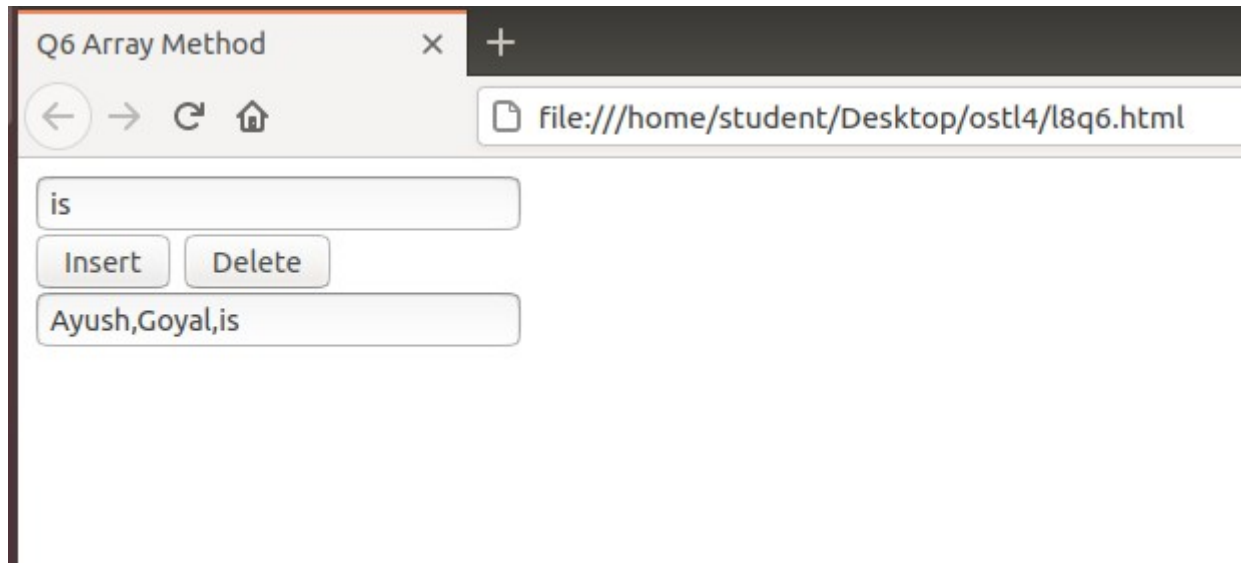
<!DOCTYPE html>
<html>
<head>
  <title>Q6 Array Method</title>
</head>
<body>
  <script type="text/javascript">
    var array = [];
    function add(value) {
      array.push(value);
      document.getElementById("array_out").setAttribute("value", array);
    }
    function del(value) {
      for (var i = array.length - 1; i >= 0; i--) {
        if (array[i] == value) {
          array.splice(i, 1);
        }
      }
      document.getElementById("array_out").setAttribute("value", array);
    }
  </script>

```

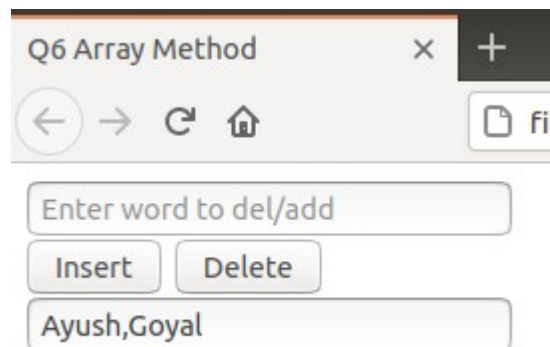
```

</script>
<input type="text" name="input" id="word_in" placeholder="Enter word to del/add"><br>
<button onclick="add(getElementById('word_in').value)">Insert</button>
<button onclick="del(getElementById('word_in').value)">Delete</button><br>
<input type="text" name="output" id="array_out">
</body>
</html>

```



After adding Three words: Ayush Goyal is



After deleting the last word.

Q7)

```

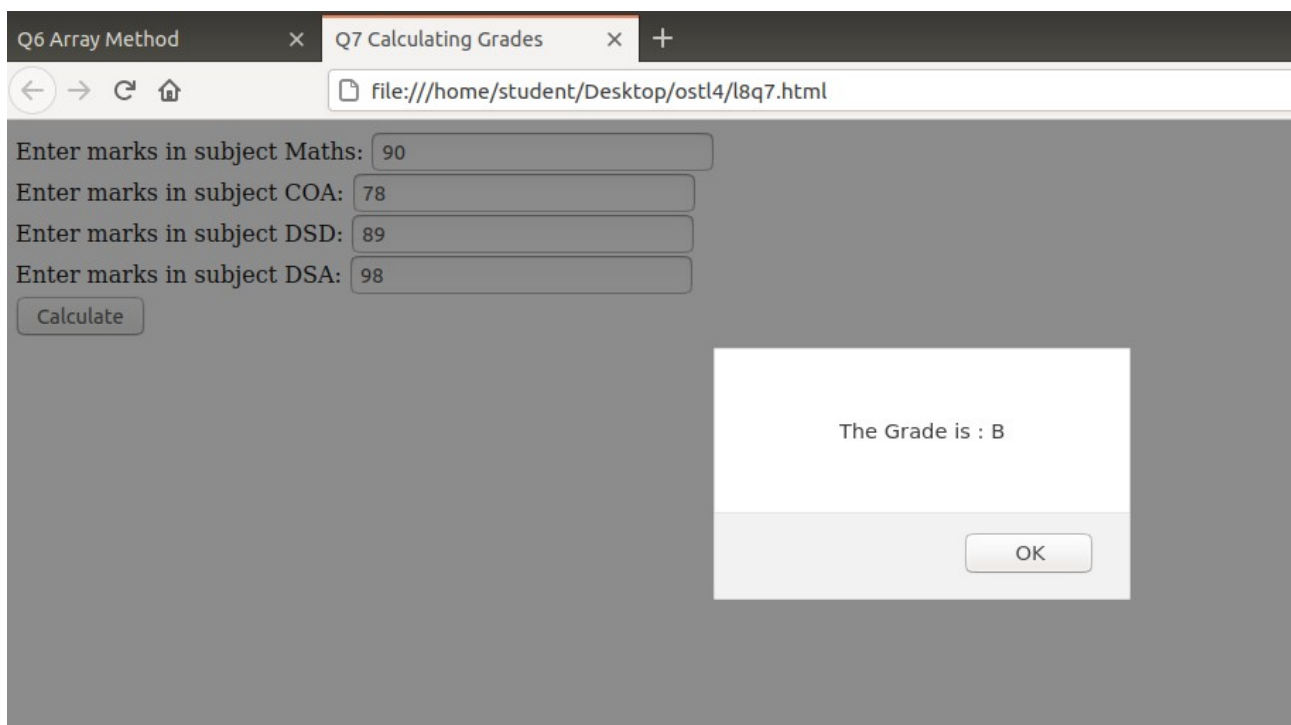
<!DOCTYPE html>
<html>
<head>
  <title>Q7 Calculating Grades</title>
</head>
<body>
<script type="text/javascript">
  function calc() {
    var sum=0;
    for (var i = 1; i <= 4; i++) {
      sum += parseInt(document.getElementById('m'+i).value);
    }
  }

```

```

    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("The Grade is : "+ grade );
}
</script>
Enter marks in subject Maths: <input type="text" name="m1" id="m1"><br>
Enter marks in subject COA: <input type="text" name="m2" id="m2"><br>
Enter marks in subject DSD: <input type="text" name="m3" id="m3"><br>
Enter marks in subject DSA: <input type="text" name="m4" id="m4"><br>
<button onclick="calc()">Calculate</button>
</body>
</html>

```



Q8)

```

<!DOCTYPE html>
<html>
<head>
    <title>Q8 Display Color</title>
</head>
<script type="text/javascript">
function red(){
var canvas = document.getElementById("canvas");
var ctx = canvas.getContext("2d");
ctx.fillStyle = "red";
ctx.fillRect(0, 0, 50, 50);

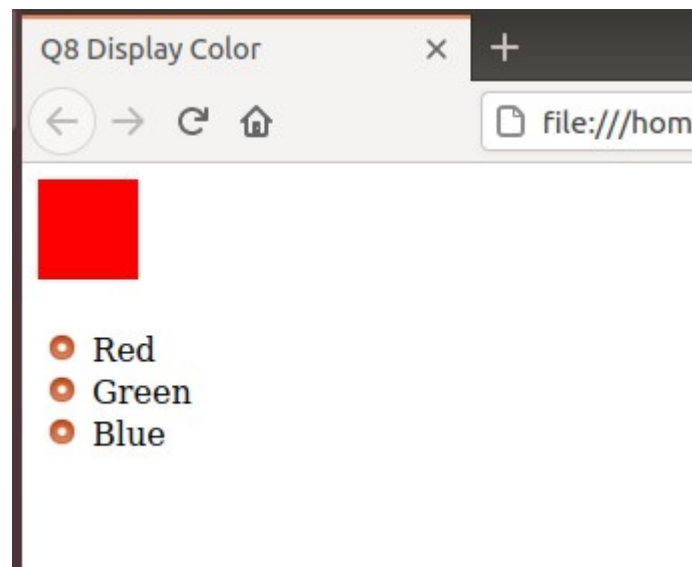
```



```

}
function green(){
var canvas = document.getElementById("canvas");
var ctx = canvas.getContext("2d");
ctx.fillStyle = "green";
ctx.fillRect(0, 0, 50, 50);
}
function blue(){
var canvas = document.getElementById("canvas");
var ctx = canvas.getContext("2d");
ctx.fillStyle = "blue";
ctx.fillRect(0, 0, 50, 50);
}
</script>
<body>
  <canvas width=70 height=70 id="canvas"></canvas>
  <form>
    <input type="radio" onclick="red();"> Red<br>
    <input type="radio" onclick="green();"> Green<br>
    <input type="radio" onclick="blue();"> Blue
  </form>
</body>
</html>

```



Q9)

```

<!DOCTYPE html>
<html>
<head>
  <title>Q9 Sign In Details</title>
</head>
<body>
  <p>Name[take only capital letters]:
    <input type="text" name="onlyalphabet" onkeypress="return (event.charCode > 64 &&
event.charCode < 91)">

```

```

</p>
<p>Password[show stars]:
  <input type="password" name="pwd" maxlength="10">
</p>
<p>Phone number[10 digits only]:
  <input type="text" id="phone" name="phone" maxlength="10" pattern="[1-9]{1}[0-9]{9}">
</p>
</body>
</html>

```

Q9 Sign In Details

Name[take only capital letters]: AYUSHGOYAL

Password[show stars]:

Phone number[10 digits only]: 1234567890

Q10)

```

<!DOCTYPE html>
<html>
<head>
  <title>Q10 : Online Quiz</title>
</head>
<body>
  <h1 style = "text-align: left;">Online Quiz</h1>
  <script type="text/javascript">
    function calculate_score() {
      var score = 0;
      if (document.getElementById("q12").checked)
        score += 1;
      if (document.getElementById("q22").checked)
        score += 1;
      if (document.getElementById("q31").checked)
        score += 1;
      document.getElementById('Score').innerHTML = " "+score;
    }
  </script>
  What is 3+3*2 ? <br>
  <input type="radio" name="q1" id="q11">12<br>
  <input type="radio" name="q1" id="q12">9<br>

```

```
<input type="radio" name="q1" id="q13">8<br><br>
What is 5%6 ? <br>
<input type="radio" name="q2" id="q21">0<br>
<input type="radio" name="q2" id="q22">5<br>
<input type="radio" name="q2" id="q23">6<br><br>
What is color of the sky during day?<br>
<input type="radio" name="q3" id="q31">Blue<br>
<input type="radio" name="q3" id="q32">White<br>
<input type="radio" name="q3" id="q33">Black<br><br>
<button onclick="calculate_score()">Submit</button><br><br>
<b>Score:</b>
<span id="Score"></span>
</body>
</html>
```

Q10 : Online Quiz

+

file:///home/student/Desktop/ostl4/l8q10.html

Online Quiz

What is $3+3*2$?

☐ 12

☒ 9

☐ 8

What is 5%6 ?

☐ 0

☒ 5

☐ 6

What is color of the sky during day?

☒ Blue

☐ White

☐ Black

Submit

Score: 3