|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,36 @@ |
|  |  | <!DOCTYPE html> |
|  |  | <html> |
|  |  | <head> |
|  |  | <title></title> |
|  |  | <script type="text/javascript" src="js\_lec\_5\_dom.js"> |
|  |  |  |
|  |  | </script> |
|  |  |  |
|  |  | </head> |
|  |  | <body> |
|  |  |  |
|  |  | <p>This is Paragrah!</p> |
|  |  |  |
|  |  | <form> |
|  |  | Number 1: <input type="number" name="num1" id="num1"> |
|  |  |  |
|  |  | Number 2: <input type="number" name="num2" id="num2"> |
|  |  |  |
|  |  | <input type="button" name="" value="Submit" onclick="return validate()"> |
|  |  |  |
|  |  | <input type="button" name="" value="-" onclick="return calculateDifference()"> |
|  |  | </form> |
|  |  |  |
|  |  | </body> |
|  |  | </html> |
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**41** [index.html](https://github.com/Shajeel-Afzal/JavaScript_With_ShajeelAfzal/commit/e8ef5fd24e5401a0cfa6643518f46bb3730f6b95#diff-eacf331f0ffc35d4b482f1d15a887d3b)

|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,41 @@ |
|  |  | <!DOCTYPE html> |
|  |  | <html> |
|  |  | <head> |
|  |  | <title></title> |
|  |  | <!-- <script type="text/javascript" src="script.js"></script> --> |
|  |  | <!-- <script type="text/javascript" src="js\_lec\_2.js"> --> |
|  |  | <!-- <script type="text/javascript" src="js\_lec\_3.js"> --> |
|  |  |  |
|  |  | <!-- <script type="text/javascript" src="js\_lec\_4.js"> --> |
|  |  |  |
|  |  | <script type="text/javascript" src="js\_lec\_6.js"> |
|  |  |  |
|  |  | </script> |
|  |  | </head> |
|  |  | <body> |
|  |  |  |
|  |  | <!-- <table style="width:100%"> |
|  |  | <tr> |
|  |  | <th>ID</th> |
|  |  | <th>Name</th> |
|  |  | <th>CNIC</th> |
|  |  | <th>Domain</th> |
|  |  | </tr> |
|  |  | <tr> |
|  |  | <td>1</td> |
|  |  | <td>Shajeel</td> |
|  |  | <td>35302</td> |
|  |  | <td>Domain</td> |
|  |  | </tr> |
|  |  | </table> --> |
|  |  |  |
|  |  | <!-- <script type="text/javascript"> |
|  |  |  |
|  |  | document.write("<h1>Hello World!</h1>"); |
|  |  |  |
|  |  | alert("This is the dialog box!"); |
|  |  |  |
|  |  | </script> --> |
|  |  |  |
|  |  | </body> |
|  |  | </html> |

**108** [js\_lec\_2.js](https://github.com/Shajeel-Afzal/JavaScript_With_ShajeelAfzal/commit/e8ef5fd24e5401a0cfa6643518f46bb3730f6b95#diff-d361f353f1e2c305ca3343ff5a063685)

|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,108 @@ |
|  |  | //comparision operators |
|  |  |  |
|  |  | // == used to compare equal values |
|  |  |  |
|  |  | var a = 20; |
|  |  | var b = 20; |
|  |  |  |
|  |  | document.write(a == b); |
|  |  |  |
|  |  | // === used for comparison but |
|  |  | // data type is also checked |
|  |  |  |
|  |  | var x = 100; |
|  |  | var y = "100"; |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  |  |
|  |  | // if/else statement |
|  |  | if(a > b){ |
|  |  | document.write("Han a bara he b se"); |
|  |  | } else { |
|  |  | document.write("Nahi, a chota he."); |
|  |  | } |
|  |  |  |
|  |  | // if/else-if statement |
|  |  | if(a > b){ |
|  |  | document.write("a is greater than b"); |
|  |  | } else if(b > a) { |
|  |  | document.write("b is greater than a"); |
|  |  | } else { |
|  |  | document.write("koi condition true nahi he"); |
|  |  | } |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(x == y); |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(x === y); |
|  |  |  |
|  |  | // != (not equal to) |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(a != b); |
|  |  |  |
|  |  | // !== (not equal to, the data type is also checked) |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(x !== y); |
|  |  |  |
|  |  |  |
|  |  | // > (greater than) |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(a > b); |
|  |  |  |
|  |  | // > (less than) |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(a < b); |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write("The End"); |
|  |  |  |
|  |  | // >= (great than OR equal to) |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(a >= b); |
|  |  |  |
|  |  | // <= (less than OR equal to) |
|  |  |  |
|  |  | // &&, ||, ! |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | document.write(a >= b); |
|  |  |  |
|  |  | // ternoary operator |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | var isAdult; |
|  |  | var age = 50; |
|  |  | isAdult = (age < 18) ? "Too Young" : "Old Enough"; |
|  |  | document.write(isAdult); |
|  |  |  |
|  |  | // String Concatination |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  | var firstName = "Shajeel "; |
|  |  | var secondName = "Afzal"; |
|  |  | var fullName = firstName + secondName; |
|  |  |  |
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**126** [js\_lec\_3.js](https://github.com/Shajeel-Afzal/JavaScript_With_ShajeelAfzal/commit/e8ef5fd24e5401a0cfa6643518f46bb3730f6b95#diff-aa9b0f19ede3d6e72018a4afd3ad1012)

|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,126 @@ |
|  |  | // switch statement |
|  |  |  |
|  |  | // Syntax |
|  |  | // switch(expression){ |
|  |  | // case n1: |
|  |  | // statements; |
|  |  | // break; |
|  |  | // case n2: |
|  |  | // statements; |
|  |  | // break; |
|  |  | // default: |
|  |  | // statements; |
|  |  | // } |
|  |  |  |
|  |  |  |
|  |  | var number = 2; |
|  |  | switch(number){ |
|  |  | case 1: |
|  |  | document.write("Case 1 Matched!"); |
|  |  | break; |
|  |  | case 2: |
|  |  | document.write("Case 2 Matched!<br>"); |
|  |  | break; |
|  |  | case 10: |
|  |  | document.write("Case 10 Matched!"); |
|  |  | break; |
|  |  | default: |
|  |  | document.write("Default Case Matched!"); |
|  |  | } |
|  |  |  |
|  |  | // loops |
|  |  | // document.write("eRozgaar<br>"); |
|  |  | // for(statement 1; statement 2; statement 3){ |
|  |  | // // statements |
|  |  | // } |
|  |  |  |
|  |  | // statement 1: executes before the loop |
|  |  | // starts |
|  |  |  |
|  |  | // statement 2: define the condition |
|  |  | // for running the app. |
|  |  |  |
|  |  | // statement 3: executes after every loop |
|  |  |  |
|  |  | // for(var i=0; i < 1000; i++){ |
|  |  | // document.write("eRozgaar<br>"); |
|  |  | // } |
|  |  |  |
|  |  | // for(var a=0; false; a++){ |
|  |  | // document.write("eRozgaar<br>"); |
|  |  | // } |
|  |  |  |
|  |  | // document.write("Ajeeb c for loop<br><br>"); |
|  |  |  |
|  |  | // var x = 1; |
|  |  | // for(document.write("for loop statement 1<br>"); |
|  |  | // x <= 2; |
|  |  | // document.write("for loop statement 3<br>")) |
|  |  | // { |
|  |  | // document.write("eRozgaar<br>"); |
|  |  | // x++; |
|  |  | // } |
|  |  |  |
|  |  | // document.write("<br><br>Ajeeb c for loop<br><br>"); |
|  |  |  |
|  |  | // var z=1; |
|  |  | // for(;z<=10;){ |
|  |  | // z++ |
|  |  | // document.write("eRozgaar<br>"); |
|  |  | // } |
|  |  |  |
|  |  | document.write("<table><tr><th>ID</th><th>Name</th><th>CNIC</th><th>Domain</th></tr>"); |
|  |  | for(var z=0; z<=9; z++){ |
|  |  | document.write("<tr><td>"+ z +"</td><td>Shajeel</td><td>35302</td><td>Domain</td></tr>"); |
|  |  | } |
|  |  | document.write("</table>"); |
|  |  |  |
|  |  | var html = '<table style="width:100%"> \ |
|  |  | <tr>\ |
|  |  | <th>ID</th>\ |
|  |  | <th>Name</th> \ |
|  |  | <th>CNIC</th> \ |
|  |  | <th>Domain</th> \ |
|  |  | </tr> \ |
|  |  | <tr> \ |
|  |  | <td>1</td> \ |
|  |  | <td>Shajeel</td> \ |
|  |  | <td>35302</td> \ |
|  |  | <td>Domain</td> \ |
|  |  | </tr> \ |
|  |  | </table> \ |
|  |  | ' |
|  |  |  |
|  |  | var str = '<div data-role="page" data-add-back-btn="true" id="Gallery2" class="gallery-page"> \ |
|  |  | <div data-role="header"> \ |
|  |  | <h1>Second Gallery</h1> \ |
|  |  | </div> \ |
|  |  | <div data-role="content"> \ |
|  |  | <ul class="gallery"> \ |
|  |  | <li><a href="images/full/010.jpg" rel="external"><img src="images/thumb/010.jpg" alt="Image 010" /></a></li> \ |
|  |  | <li><a href="images/full/011.jpg" rel="external"><img src="images/thumb/011.jpg" alt="Image 011" /></a></li> \ |
|  |  | <li><a href="images/full/012.jpg" rel="external"><img src="images/thumb/012.jpg" alt="Image 012" /></a></li> \ |
|  |  | <li><a href="images/full/013.jpg" rel="external"><img src="images/thumb/013.jpg" alt="Image 013" /></a></li> \ |
|  |  | <li><a href="images/full/014.jpg" rel="external"><img src="images/thumb/014.jpg" alt="Image 014" /></a></li> \ |
|  |  | <li><a href="images/full/015.jpg" rel="external"><img src="images/thumb/015.jpg" alt="Image 015" /></a></li> \ |
|  |  | <li><a href="images/full/016.jpg" rel="external"><img src="images/thumb/016.jpg" alt="Image 016" /></a></li> \ |
|  |  | <li><a href="images/full/017.jpg" rel="external"><img src="images/thumb/017.jpg" alt="Image 017" /></a></li> \ |
|  |  | <li><a href="images/full/018.jpg" rel="external"><img src="images/thumb/018.jpg" alt="Image 018" /></a></li> \ |
|  |  | </ul> \ |
|  |  | </div> \ |
|  |  | <div data-role="footer"> \ |
|  |  | <h4>&copy; 2011 Code Computerlove</h4> \ |
|  |  | </div> \ |
|  |  | </div>'; |
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**85** [js\_lec\_4.js](https://github.com/Shajeel-Afzal/JavaScript_With_ShajeelAfzal/commit/e8ef5fd24e5401a0cfa6643518f46bb3730f6b95#diff-53541d75dc716c92b0b56aa6e65e2679)

|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,85 @@ |
|  |  | /\* |
|  |  |  |
|  |  | condition can be any statement |
|  |  | but it should return true or false |
|  |  | while(condition){ |
|  |  | code block |
|  |  | } |
|  |  |  |
|  |  | \*/ |
|  |  |  |
|  |  | // var i=0; |
|  |  | // while(i<5){ |
|  |  | // document.write("<br>While Loop"); |
|  |  | // i++; |
|  |  | // } |
|  |  |  |
|  |  | // while(1){ |
|  |  | // document.write("<br>While Loop"); |
|  |  | // } |
|  |  |  |
|  |  | // var x = 1; |
|  |  | // do{ |
|  |  | // document.write("Do While Loop<br>"); |
|  |  | // }while(x <= 5); |
|  |  |  |
|  |  | // var z = 0; |
|  |  | // while(true){ |
|  |  | // document.write("Do While Loop<br>"); |
|  |  | // z++; |
|  |  | // if (z > 10) { |
|  |  | // break; |
|  |  | // } |
|  |  | // }` |
|  |  |  |
|  |  | // for(var i=0; i < 5; i++){ |
|  |  | // if (i == 3) { |
|  |  | // continue; |
|  |  | // } |
|  |  |  |
|  |  | // document.write("Continue statement"); |
|  |  | // } |
|  |  |  |
|  |  | // function doCalculation(){ |
|  |  | // var x = 10; |
|  |  | // var y = 20; |
|  |  | // document.write(x+y); |
|  |  | // document.write("<br>"); |
|  |  | // } |
|  |  |  |
|  |  | // doCalculation(); |
|  |  | // doCalculation(); |
|  |  |  |
|  |  | // function doCalculation(x, y){ |
|  |  | // document.write(x+y); |
|  |  | // document.write("<br>"); |
|  |  |  |
|  |  | // return x+y; |
|  |  | // } |
|  |  |  |
|  |  | // var sum = doCalculation(50, 20); |
|  |  | // doCalculation(50.5, 20); |
|  |  |  |
|  |  | // var result = confirm("Are you to delete?"); |
|  |  | // if (result==true) { |
|  |  | // alert("OK Selected"); |
|  |  | // } else { |
|  |  | // alert("Cancel Selected"); |
|  |  | // } |
|  |  |  |
|  |  | var name = prompt("Enter your name"); |
|  |  |  |
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**52** [js\_lec\_5\_dom.js](https://github.com/Shajeel-Afzal/JavaScript_With_ShajeelAfzal/commit/e8ef5fd24e5401a0cfa6643518f46bb3730f6b95#diff-3ea2ce7b33ebfd057f082eeb0870819c)

|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,52 @@ |
|  |  |  |
|  |  | /\* |
|  |  |  |
|  |  | document.getElementById(); |
|  |  | document.getElementByClassName(); |
|  |  | document.getElementByTagName(); |
|  |  |  |
|  |  | \*/ |
|  |  |  |
|  |  | var paragraphs = document.getElementsByTagName("p"); |
|  |  | paragraphs[0].innerHTML = "Hi There"; |
|  |  |  |
|  |  | function validate(){ |
|  |  | var n1 = document.getElementById("num1"); |
|  |  | var n2 = document.getElementById("num2"); |
|  |  |  |
|  |  | var inputNum1 = n1.value; |
|  |  | var inputNum2 = n2.value; |
|  |  |  |
|  |  | if (inputNum1 == "" || inputNum2 == "") { |
|  |  | alert("Empty Fields") |
|  |  | return false; |
|  |  | } else { |
|  |  | alert(inputNum1 + inputNum2); |
|  |  | return true; |
|  |  | } |
|  |  |  |
|  |  | var number1 = parseInt(inputNum1); |
|  |  | var number2 = parseInt(inputNum2); |
|  |  | } |
|  |  |  |
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**58** [js\_lec\_6.js](https://github.com/Shajeel-Afzal/JavaScript_With_ShajeelAfzal/commit/e8ef5fd24e5401a0cfa6643518f46bb3730f6b95#diff-24c0b03f33746b4bd3cdf24b5b4690d7)

|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,58 @@ |
|  |  |  |
|  |  | // 1st way of creating Arrays |
|  |  | var students = new Array("35303","35302", "35301"); |
|  |  | students[0] = "35304"; |
|  |  | document.write(students[0]+"<br>"); |
|  |  |  |
|  |  | // 2nd way of creating Arrays |
|  |  | var courses = new Array(); |
|  |  | courses[0] = "Technical"; |
|  |  | courses[1] = "Non-Technical"; |
|  |  | courses[2] = "Creative"; |
|  |  | document.write(courses+"<br>"); |
|  |  |  |
|  |  | // 3rd way of creating Arrays; |
|  |  | var programmingLangues = ["Python", "C++","Java", "PHP", "JavaScript"]; |
|  |  | document.write(programmingLangues.length); |
|  |  | document.write("<br>"+courses.length); |
|  |  |  |
|  |  | var stdCourses = courses.concat(students); |
|  |  | document.write("<br>"+stdCourses); |
|  |  |  |
|  |  | // associative arrays |
|  |  | var person1 = []; |
|  |  | person1["name"] = "Shajeel"; |
|  |  | person1["domain"] = "Technical"; |
|  |  |  |
|  |  | var person2 = []; |
|  |  | person2["name"] = "Studnet2"; |
|  |  | person2["domain"] = "Technical"; |
|  |  |  |
|  |  |  |
|  |  | document.write("<br>"+person1["domain"]); |
|  |  |  |
|  |  | var persons = []; |
|  |  | persons[0] = person1; |
|  |  | person2[1] = person2; |
|  |  |  |
|  |  | document.write("<br>" + persons); |
|  |  |  |
|  |  | document.write("<br><br>Looping through Arrays<br><br>"); |
|  |  | for(var i=0; i<courses.length;i++){ |
|  |  | document.write(courses[i]+"<br>"); |
|  |  | } |
|  |  |  |
|  |  | document.write("<br><h1>Math Object</h1><br>"); |
|  |  |  |
|  |  | document.write(Math.PI); |
|  |  |  |
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**71** [script.js](https://github.com/Shajeel-Afzal/JavaScript_With_ShajeelAfzal/commit/e8ef5fd24e5401a0cfa6643518f46bb3730f6b95#diff-9a9569e9d73f33740eada95275da7f30)

|  |  |  |
| --- | --- | --- |
|  |  | @@ -0,0 +1,71 @@ |
|  |  | document.write("<h1>Hello World from External JS!</h1>"); |
|  |  | // alert("This is the dialog box!"); |
|  |  |  |
|  |  | // this show alert |
|  |  |  |
|  |  | /\* |
|  |  |  |
|  |  | This is multiline comment. |
|  |  |  |
|  |  | \*/ |
|  |  |  |
|  |  | var z; |
|  |  | z = 100; |
|  |  | var x = 10; |
|  |  | var X = 20; |
|  |  | // var first name; (invalid variable name) |
|  |  | // var 0firtstName; (invalid variable name) |
|  |  | // var first0Name; (valid variable name) |
|  |  | // var \_firstName; (valid variable name) |
|  |  | // var $firstName; (valid variable name) |
|  |  | // var x+y; (invalid variable name) |
|  |  |  |
|  |  | /\* |
|  |  |  |
|  |  | 1- variables names cannot contain spaces |
|  |  | 2- variables cannot start with a number |
|  |  | 3- researved words cannot be used |
|  |  | 4- variable names can start with any letter, |
|  |  | underscore ( \_ ) or a dollar sign ($) |
|  |  | 5- Subsequent characters maybe letters, digits, |
|  |  | underscore, or dollar signs. |
|  |  |  |
|  |  | \*/ |
|  |  |  |
|  |  | document.write(X); |
|  |  |  |
|  |  | var sayHello = "<br>\'Hello World!\'"; |
|  |  |  |
|  |  | // \n new line |
|  |  | // \r cariage return |
|  |  | // \t tab |
|  |  |  |
|  |  | document.write(sayHello); |
|  |  |  |
|  |  | var isActive = true; |
|  |  | var isHoliday = false; |
|  |  |  |
|  |  | // +, -, \*, /, %, ++, -- |
|  |  |  |
|  |  | document.write("<br><br>"); |
|  |  |  |
|  |  | var i = 19; |
|  |  |  |
|  |  | i++; |
|  |  |  |
|  |  | document.write(--i); |
|  |  | document.write("<br><br>"); |
|  |  | document.write(i); |
|  |  |  |
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