**Java Script**

Task no 01 Alerts and console logging

Alerts

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

<script>

alert("I am a Pakistani");

</script>

</body>

</html>

Console logging

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

<script>

var a = 100;

console.log("hello my name is ali kamran");

console.log(a);

console.table([1,2,3,4,5]);

console.error("something went wrong");

console.warn("please do not try this");

</script>

</body>

</html>

Task no 02 Integers, strings, and variables

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

<script>

var a = 100;

var b ="pakistan is my country";

var c = 100;

document.write(a + "<br>");

document.write(b + "<br>");

document.write(a + c);

</script>

</body>

</html>

Task no 03 for loop

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

<script>

for(a=1; a <=10; a++){

document.write(a + ") Hello i am a web developer <br>");

}

</script>

</body>

</html>

Task no 04 comparison operator

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

<script>

var a = 10;

var b = 50;

if(a == b){

    document.write("A is equal to B <br>");

}

if(a != b){

    document.write("A is not equal to B <br>");

}

if(a === b){

    document.write("show the data type of integer <br>");

}

if(a > b){

    document.write("A is greater than B <br>");

}

if(a < b){

    document.write("A is less than  B <br>");

}

if(a >= b){

    document.write("A is greater or equal to B <br>");

}

if(a <= b){

    document.write("A is less than or equal to B <br>");

}

</script>

</body>

</html>

Task no 05 if statement

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

<script>

var a = 10;

var b = 50;

if(a == b){

    document.write("A is equal to B <br>");

}

if(a != b){

    document.write("A is not equal to B <br>");

}

if(a === b){

    document.write("show the data type of integer <br>");

}

if(a > b){

    document.write("A is greater than B <br>");

}

if(a < b){

    document.write("A is less than  B <br>");

}

if(a >= b){

    document.write("A is greater or equal to B <br>");

}

if(a <= b){

    document.write("A is less than or equal to B <br>");

}

</script>

</body>

</html>

Task no 06 Boolean operators

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

<script>

var ageLower = 18;

var ageUpper = 50;

if(ageLower >=18 && ageUpper <=50){

    document.write("you are adult <br>");

}

if(ageLower >=18 || ageUpper <=50){

    document.write("you are also adult");

}

</script>

</body>

</html>

Task no 07 defining function

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script>

function sum(a,b){

document.write(a+b + "<br>");

}

function subtract(a,b){

    document.write(a-b + "<br>");

}

function multiply(a,b){

document.write(a\*b + "<br>");

}

function divide(a,b){

document.write(a/b + "<br>");

}

sum(5,10);

subtract(20,10);

multiply(5,10);

divide(5,10);

    </script>

</body>

</html>

Task no 08 undefined variables and modify the variable

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script>

var c;

var d;

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

document.write(c + "<br>");

document.write(d + "<br>");

var a = " pakistan";

document.write("value before override the value <br>");

document.write(a + "<br>");

document.write("value after override the value <br>");

var a = " gujranwala";

document.write(a + "<br>");

    </script>

</body>

</html>

Task no 09 setting an element's innerHTML

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <p id="demo" onclick="myFunction()">Click me to change my HTML content (innerHTML).</p>

    <script>

function myFunction() {

  document.getElementById("demo").innerHTML = "Paragraph changed!";

}

    </script>

</body>

</html>

Task no 10 Array in JavaScript

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script>

    var arry = ["ali","kamran","gujranwala","pakistan",1992,2020];

    document.write("<h1>Arry value print with the help of index </h1>   <br>");

    document.write(arry[0]+"<br>");

    document.write(arry[1]+"<br>");

    document.write(arry[2]+"<br>");

    document.write(arry[3]+"<br>");

    document.write(arry[4]+"<br>");

    document.write(arry[5]+"<br>");

    document.write("<h1> Arry value print with the help of for loop  </h1>  <br>");

    document.write("<ul>");

    for(a =0; a<=5; a++){

        document.write("<li>");

        document.write(arry[a]+"<br>");

        document.write("</li>");

    }

    document.write("</ul>");

    </script>

</body>

</html>

Multi dimension array

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script>

    var arry = [

        ["ali","kamran","gujranwala","pakistan",1992],

        ["muzam","imran","gujranwala","pakistan",1996],

        ["athar","imran","gujranwala","pakistan",1994],

        ["ahmad","imran","gujranwala","pakistan",1998],

        ["ahmad","imran","gujranwala","pakistan",1998],

        ];

    document.write("<h1> Multi dimension Arry value print with the help of index </h1>   <br>");

    document.write(arry[0]+"<br>");

    document.write(arry[1]+"<br>");

    document.write(arry[2]+"<br>");

    document.write(arry[3]+"<br>");

    document.write("<h1> Arry value print with the help of for loop  </h1>  <br>");

    document.write("<ul>");

    for(a =0; a<=arry.length; a++){

        for(b =0; b<=arry[a].length; b++){

        document.write("<li>");

        document.write(arry[a][b]);

        document.write("</li>");

    }

    document.write("<br>");

    }

    document.write("</ul>");

    </script>

</body>

</html>

Task no 11 JSON objects

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script>

    var obj, x;

obj = {"name":"John", "age":30, "car":"Honda"};

for(x in obj){

    document.write(x + " <br>");

}

    </script>

</body>

</html>