**15B17CI372 Database and Web Lab**

**ODD 2024**

**Lab Assignment-2[ CO2]**

**Introduction to JavaScript**

**Java Script Practice exercise 1**

<!DOCTYPE html>  
<html>  
<body>  
<h1>My First Web Page</h1>  
<p>My First Paragraph</p>  
<p id="demo"></p>  
<script>  
document.getElementById("demo").innerHTML = 5 + 6;  
</script>  
</body>  
</html>

**Java Script Practice exercise 2**

<!DOCTYPE html>  
<html>  
<body>  
<h1>My First Web Page</h1>  
<p>My first paragraph.</p>  
<script>  
document.write(5 + 6);  
</script>  
</body>  
</html>

**Java Script Practice exercise 3**

<!DOCTYPE html>  
<html>  
<body>  
<h1>My First Web Page</h1>  
<p>My first paragraph.</p>  
<script>  
alert(5 + 6);  
</script>  
</body>  
</html>

**Java Script Practice exercise 4**

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Variables</h2>

<p>Strings are written with quotes.</p>

<p>Numbers are written without quotes.</p>

<p id="demo"></p>

<script>

var pi = 3.14;

var person = "John Doe";

var answer = 'Yes I am!';

document.getElementById("demo").innerHTML =

pi + "<br>" + person + "<br>" + answer;

</script>

</body>

</html>

Visit : https://www.w3schools.com/js/js\_variables.asp

**Java Script Practice exercise 5**

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Functions</h2>

<p>This example calls a function to convert from Fahrenheit to Celsius:</p>

<p id="demo"></p>

<script>

function toCelsius(f) {

return (5/9) \* (f-32);

}

document.getElementById("demo").innerHTML = toCelsius(77);

</script>

</body>

</html>

**Assignment (To be submitted)**

1. Use JavaScript to calculate the sum of first 10 natural numbers.
2. Define a function max() that takes two numbers as arguments and returns the largest of them. Use the if-then-else construct available in JavaScript.
3. Write a function translate() that will translate a text into "rövarspråket". That is, double every consonant and place an occurrence of "o" in between. For example, translate("this is fun") should return the string "tothohisos isos fofunon".
4. Write a Java script code to check two numbers and return true if one of the number is 100 or if the sum of the two numbers is 100
5. Write a Javascript program to replace every character in a given string with the character following it in the alphabet
6. Given two values, write a Javascript to find which one is nearest to 100
7. Write a a Javascript program to find the number of even digits in a array of integers
8. Write a javascript function to convert an amount to coins.

Example input : 46 and possible coins 25,10,5,2,1

Output: 25,10,10,1

1. Define a function named stutter that takes an array parameter and returns the array obtained by replacing every value in the list with two of that value. For example, the call of stutter([1, 2, 3]) should return [1, 1, 2, 2, 3, 3].
2. Define a function named cycle that takes array and an integer *n* and rearranges its elements by movingthe first *n* values to the end of the array. For example, cycle(4, [1, 2, 3, 4, 5, 6]) should change the array to store [5, 6, 1, 2, 3, 4]. If *n* is negative or 0, do not modify the array.
3. Create an html page with two text input boxes and four buttons. The buttons should be labeled +, -, \*, and /. When one of these buttons is pressed you should get the *value* from both text input boxes and add, subtract, multiply, or divide the numbers entered in the text input boxes. The result should be displayed below the buttons