

Day-6 Assignment

1. Write a Java script code to read string through a text area and display how many vowels, consonants, special characters, and words exist. Print them on a styled html document.

HTML CSS and JS :

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Vowels Consonants</title>

  <style>

    h4 {

      text-align: center;

      display: inline-block;

    }

    input[type="checkbox"] {

      width: 100%;

      padding: 10px;

      margin: 8px 0;

      display: inline-block;

      border: 1px solid #ccc;

      box-sizing: border-box;

      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

```

    }

    body {

        background-color: rgb(190, 32, 218);

    }

    #result{

        background-color: rgb(190, 32, 218);

        color: whitesmoke;

    }

</style>
</head>
<body>

    <div id="result"></div>

    <hr>

    <h4>Vowels Consonants</h4><br>

    <label for="alpha">Enter text</label>

    <input type="text" name="alpha" id="alpha" title="enter only text">

    <input type="submit" value="submit" onclick="countvowelsconsonants()"><hr><br>

    <script>

        function countvowelsconsonants() {

            let text = document.getElementById("alpha").value;

            let cVowels = 0;

            let cConsonants = 0;

            let cSpaces = 0;

            let cSpecials = 0

```

```

for (let i = 0; i < text.length; i++) {

    if (text.charAt(i) == "a" || text.charAt(i) == "e" || text.charAt(i) == "i" ||
text.charAt(i) == "o" || text.charAt(i) == "u" || text.charAt(i) == "A" || text.charAt(i) ==
"E" || text.charAt(i) == "I" || text.charAt(i) == "O" || text.charAt(i) == "U") {

        cVowels++;

    }

    else if (text.charAt(i) == " " || text.charAt(i) == "' ") {

        cSpaces++;

    }

    else if (text.charAt(i) == ',' || text.charAt(i) == '.' || text.charAt(i) == '!' ||
text.charAt(i) == "?" || text.charAt(i) == '&') {

        cSpecials++;

    }

    else {

        cConsonants++;

    }

}

alert("Vowels: " + cVowels + " Consonants: " + cConsonants + " Words: " +
cSpaces + " SpecialCharcters: " + cSpecials);

var resultMessage = "Showing Results....<br>";

resultMessage += "Number of vowels: " + cVowels+ "<br>";

resultMessage += "Number of consonants: " +cConsonants + "<br>";

resultMessage += "Number of special characters: " + cSpecials + "<br>";

resultMessage += "Number of words: " + cSpaces;

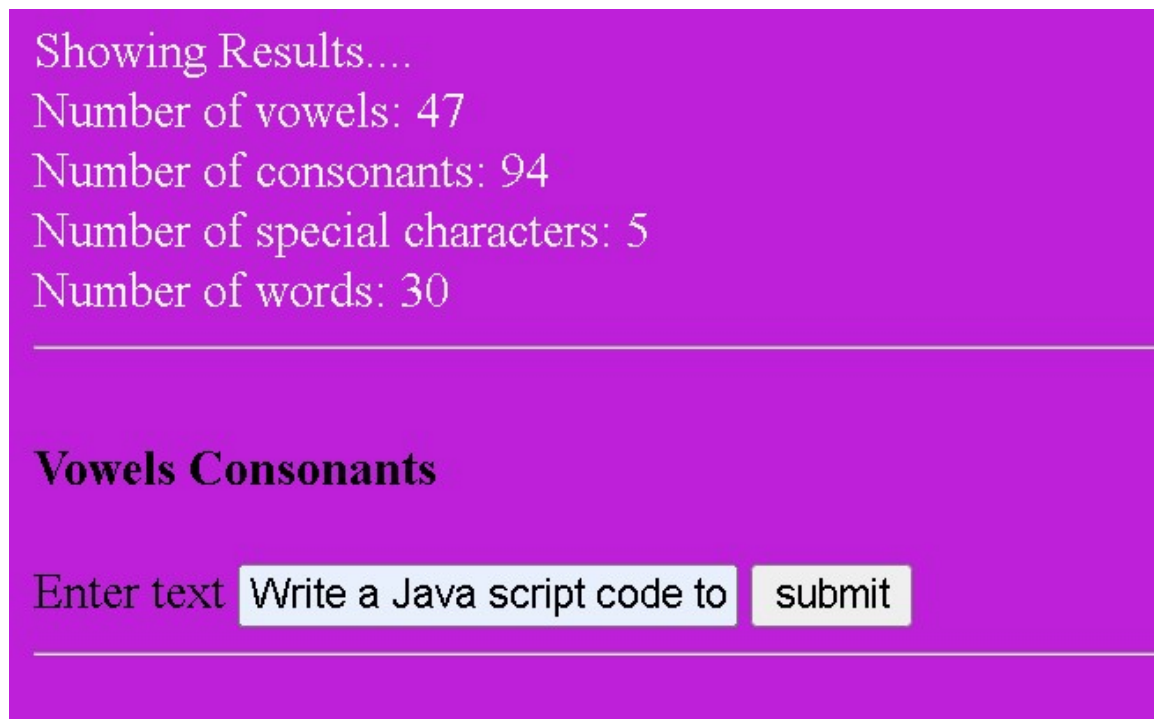
document.getElementById("result").innerHTML = resultMessage;

document.getElementById("alpha").value="";

```

```
    }  
  </script>  
</body>  
  
</html>
```

OUTPUT :



The screenshot shows a web application with a light blue header and a light green body. The header contains the text "Showing Results....". The body displays the following statistics: "Number of vowels: 47", "Number of consonants: 94", "Number of special characters: 5", and "Number of words: 30". Below these statistics is a horizontal line. Under the line, there is a section titled "Vowels Consonants" in bold black text. Below this title is a form with the label "Enter text" in bold black text. The form contains a text input field with the value "Write a Java script code to" and a "submit" button. Below the form is another horizontal line.

Showing Results....

Number of vowels: 47

Number of consonants: 94

Number of special characters: 5

Number of words: 30

Vowels Consonants

Enter text

2. .Write a Java script code to do validation of a user details with following fields in the form

Note: use On submit and event listener

Fields: User name, first name, last name,password,confirm password,email,mobile number.

HTML CSS and JS:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>DemoOnSubmit</title>
```

```
<style>
```

```
  .red{
```

```
    color:red;
```

```
  }
```

```
  table{
```

```
    border-collapse: collapse;
```

```
    width: 50%;
```

```
    border: 1px solid #ddd;
```

```
    margin-bottom: 20px;
```

```
    font-size: 0.9em;
```

```
    background-color: #fff;
```

```
    color: #ee00ff7b;
```

```
    font-family: sans-serif;
```

```
    box-shadow: 0 0 10px rgba(0,0,0,1);
```

```
    margin-left:200px
```

```
  }
```

```

h4{
    text-align: center;
    color: darkgreen;
}

.line{
    margin-left: 290px;
    margin-right: 290px;
    margin-top: -10px;
}
</style>
</head>

<body>
    <h4>Employee Details</h4>
    <hr class="line">
    <form action="" id="empForm">
        <table>
            <tr><td><label for="ename">Name: <td><span class="red">*</span></td>
</label></td>
            <td> <input type="text" id="ename" required minlength="7" maxlength="12">
</td>
        </tr>
        <tr> <td><label for="eid"> Id: <td><span class="red">*</span></td></label>
</td>
            <td> <input type="text" id="eid" min="101" max="199" required></td>
        </tr>
        <tr> <td><label for="esal">Salary: <td><span class="red">*</span></td>

```

```

</label></td>

        <td> <input type="text" id="esal" min="100000" max="1000000" required>
</td>

</tr>

<tr> <td><label for="uname">UserName: <td><span class="red">*</span></td>
</label></td>

        <td> <input type="text" id="euname" required></td>

</tr>

<tr>

        <td><label for="pass">Password: <td> <span class="red">*</span></td>
</label></td>

        <td> <input type="password" id="epass" required pattern="^(?=.*\d)(?=.*[a-z])
(?=.*[A-Z])(?=.*[!@#$%^&*()-_+=])[0-9a-zA-Z!@#$%^&*()-_+=]{8,}$"></td>

</tr>

<tr>

        <td><label for="cnfpass">confirmPassword: <td> <span class="red">*</span>
</td></label></td>

        <td> <input type="password" id="ecnfpass" required></td>

</tr>

<tr>

        <td><label for="mobile">Mobile: <td><span class="red">*</span></td>
</label></td>

        <td> <input type="text" id="emobile" minlength="10" maxlength="10"
pattern="^(?=[6-9])[0-9]{10}$"></td>

</tr>

<tr>

        <td><label for="email">Email: <td><span class="red">*</span></td></label>
</td>

        <td> <input type="text" id="email"></td>

</tr>

```

```

        <tr colspan="3">
            <td><input type="submit" value="submit"></td>
        </tr>
    </table>
</form>
<script>
    let eform = document.getElementById("empForm");
    eform.addEventListener("submit", (e) => {
        e.preventDefault();
        let name = eform.ename.value;
        let id = Number(eform.eid.value);
        let sal = eform.esal.value;
        let uname = eform.euname.value;
        let pass = eform.epass.value;
        let cnfpass = eform.ecnfpass.value;
        let mobile = eform.emobile.value;
        let email = eform.email.value;

        if(id!=Number||(id<101||id>=199)){
            alert("Enter valid a number from 101 to 199");
        }
        else{
            console.log(id);
        }
        if (sal!=Number||(sal<=1000000&&sal>=1000000)) {

```



```

        console.log("Enter a valid salary")
    } else {
        console.log("sal")
    }

    if (pass == "" || pass.length < 8) {
        alert("Enter valid password");
    }
    else {
        console.log(pass);
    }
    if (cnfpass != pass) {
        alert("Please enter same password");
    }
    else {
        console.log(cnfpass);
    }
}

ename.value="";
eid.value="";
esal.value="";
euname.value="";
epass.value="";
ecnfpass.value="";
emobile.value="";
email.value="";

```

```
        console.log(name + " " + id + " " + sal + " ");  
    })  
</script>  
</body>
```

OUTPUT :

Employee Details

Name:	*	<input type="text"/>
Id:	*	<input type="text"/>
Salary:	*	<input type="text"/>
UserName:	*	<input type="text"/>
Password:	*	<input type="text"/>
confirmPassword:	*	<input type="text"/>
Mobile:	*	<input type="text"/>
Email:	*	<input type="text"/>
<input type="button" value="submit"/>		

127.0.0.1:5500 says
Please enter same password
OK

Name:	*	
Id:	*	101
Salary:	*	100000
UserName:	*	koteshehev
Password:	*
confirmPassword:	*
Mobile:	*	6303773814
Email:	*	koteshe@gmail.com

submit