

W.T. LAB-07

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CLASS: SG-08
ROLL NO: 14

1. Here is a sample html file with a submit button. Now modify the style of the paragraph text through javascript code.

Code:

```
<!DOCTYPE html>
<html>
<head>
<meta charset=utf-8 />
<title>JS DOM paragraph style</title>
<style type="text/css">

</style>
</head>
<body align="center">
<p id ='text'>JavaScript Exercise –test </p>
<div>
<button id="jsstyle" onclick="js_style()">Style</button>
</div>

<script>
    function js_style(){
        var text = document.querySelector("#text");
        text.style.cssText = "background-color:cyan;font-size:50px;font-family:ariel;";
    }
</script>
</body>
</html>
```

2. Write a JavaScript function to get the values of First and Last name of the following form.

Code:-

```
<!DOCTYPE html>
<html><head>
<meta charset=utf-8 />
<title>Return first and last name from js</title>
</head><body>
<form id="form11" name="form">
First name: <input type="text" name="fname" id="first"><br>
```

```
Last name: <input type="text" name="lname" id="last"><br>
<input type="submit" value="Submit" id="sub">
</form>
```

```
<script>
```

```
    var word = document.querySelector("#sub");
    word.addEventListener("click", fun);
    function fun(e){
        var first = document.querySelector("#first").value;
        var last = document.querySelector("#last").value;
        alert(first);
        alert(last);
    };
</script>
```

```
</body>
```

```
</html>
```

3. Write a JavaScript program to count and display the items of a dropdown

list, in an alert window.

Code:

```
<!DOCTYPE html>
<html><head>
<meta charset=utf-8 />
<title>Return first and last name from js</title>
</head><body>
<form id="form11" name="form">
    Select:
        <select name="select" id="select">
            <option value="tel">telephone</option>
            <option value="shduf">phone</option>
            <option value="tdfsdh">call</option>
            <option value="shggd">roll</option>
        </select>
    <input type="submit" value="Submit" onclick="getOptions()">
</form>
<script>
function getOptions(){
    var x= document.getElementById("select");
    var txt1 = "No. of items in dropdown is : ";
    var i;
    l=document.getElementById("select").length;
    txt1 = txt1+l;
    for (i=0;i<x.length;i++){
        txt1 = txt1 + "\n" + x.options[i].text;
    }
    alert(txt1);
}
```

```

}

</script>
</body>
</html>

```

4. Write a JavaScript program to highlight the bold words of the paragraph, on mouse over a certain link.

Code:

```

<html>
<head>
  <title>highlight</title>
</head>
<body>
  <p>[<a href="#" onMouseOver="highlight()" onMouseOut="return_normal()">link</a>]
    Gandhi<strong> University </strong>bof Knowledge Technologies (RGUKT), Basar, was
    established
      to provide quality higher education
      to the talented rural youth of the<strong>state of Telangana</strong> . Established
      in 2008 by the then united Government of Andhra Pradesh and later was
      adopted by the<strong> Government</strong> of Telangana through a special of
      <strong>act</strong>legislation.
  </p>
  <script>
    var bold_Items;
    window.onload = getBold_items();
    function getBold_items()
    {

```

```

    bold_Items = document.getElementsByTagName('strong');
}

function highlight()
{
    for (var i=0; i<bold_Items.length; i++)
    {
        bold_Items[i].style.color = "green";
    }
}

function return_normal()
{
    for (var i=0; i<bold_Items.length; i++)
    {
        bold_Items[i].style.color = "black";
    }
}

</script>
</body>

</html>

```

5. Write a JavaScript program to get the width and height of the window (any time the window is resized).

Code:

```

<html>
  <head>
\

```

```
<title>window size</title>
</head>
<body onload="getsize()" onresize="getsize()">
  <span id="span"></span>
</body>
<script>
  function getsize()
  {
    var x=document.documentElement.clientWidth;
    var y=document.documentElement.clientHeight;
    document.getElementById('span').innerHTML="width"+x+" "+"height"+y;
  }
</script>
</html>
```

6. Write a JavaScript function to validate whether a given value is number or not.

Code:

```
<html>

  <head>

    <title>

      number or not

    </title>

  </head>

<body >

  <form name="myform" onsubmit=" return validate()">

    enter a number:<input type="text" name="num"><br><br>

    <button type="submit" name="button">Submit</button>

  </form>

  <script>

    function validate()

    {

      var x=document.myform.num.value;

      if(!(x.match(/^[0-9]+$/)))

      {

        alert("not a number");

        return false;

      }

      return true;

    }

  </script>
```

```
</body>
```

```
</html>
```

7. Validate Registration, login, forgot password page using JavaScript

First name and last name should contain only characters

User name length should be not be less than 6 and greater than 15 characters

Password length is of minimum 6 characters and should contain at least one upper case, one lower case, one digit, one special character and it should start with an alphabet only.

Email id should be in proper format -----@-----

Phone number should contain only 10 numbers.

Note: You can apply validation to remaining form fields also.

Code:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
    <style>
```

```
        body{
```

```
            display: flex;
```

```
            justify-content: center;
```

```
            align-items: center;
```

```
        }
```

```
        fieldset{
```

```
            border: 7px #bf1774;
```

```
            border-style:outset;
```

```
            background-color:#ffe6ff;
```

```
            border-radius: 5%;
```

```
        }
```

```
        table{
```

```

        border-spacing: 15px;
        padding:0px;
    }
    #sub{
        border-radius: 50px;
        border:2px solid red;
        width:100px;
        font-size: 16px;
        background-image:linear-gradient(to right,skyblue,pink);
        color: darkred;
    }
    #sub:hover{
        box-shadow:2px 2px 5px 5px rgba(0, 0, 0, 0.5);
    }
    p{
        color:blue;
        font-size:20px;
        font-style:italic;background-image: linear-gradient(to right,yellow,pink);
        border: 2px solid gray;
        padding: 3px;
    }
    input[type=file]{

    }
</style>
</head>
<body align='center'>
    <form name="form">
        <fieldset>
            <legend><p>Form</p></legend>

```



```
<table>

<tr>

  <td>First Name:</td>

  <td><input type="text" name="first" id="first"></td>

</tr>

<tr>

  <td>Last Name:</td>

  <td><input type="text" name="last" id="last"></td>

</tr>

<tr>

  <td>Gender:</td>

  <td><input type="radio" name="gen" >Male

  <input type="radio" name="gen">Female</td>

</tr>

<tr>

  <td>DOB:</td>

  <td><input type="date" name="date" ></td>

</tr>

<tr>

  <td>Email:</td>

  <td><input type="email" name="email" ></td>

</tr>

<tr>

  <td>Phone:</td>

  <td><input type="tel" name="tel" id="tel"></td>

</tr>

<tr>

  <td>Password:</td>

  <td><input type="Password" name="pass" id="pass"></td>

</tr>
```

```

<tr>

    <td>Confirm Password:</td>

    <td><input type="Password" name="conf" id="conf"></td>

```

```

</tr>

```

```

<tr>

    <td>Select:</td>

    <td>

        <select name="select">

            <option value="tel">telephone</option>

            <option value="shduf">phone</option>

            <option value="tdfsdh">call</option>

            <option value="shggd">roll</option>

        </select>

    </td>

```

```

<tr>

    <td>Datalist:</td>

    <td><input list="demo">

        <datalist id="demo">

            <option value="her"></option>

            <option value="tel"></option>

        </datalist>

    </td>

```

```

</tr>

```

```

<tr>

    <td>File:</td>

    <td><input type="file" name="file" multiple></td>

```

```

</tr>

```

```

<tr>

    <td colspan="2"><input type="submit" value="submit" id="sub" onclick =
"ValidateEmail(document.form.email),validateForm(),validatepass()"></td>

```

```
</tr>

</table>

</fieldset>

</form>

<script>

    function validateForm() {

        let x = document.forms["form"]["first"].value;
        if (x == "") {
            alert("First-Name must be filled out");
        }

        let y = document.forms["form"]["last"].value;
        if (y == "") {
            alert("Last-Name must be filled out");
        }

        let z = document.forms["form"]["gen"].value;
        if (z == "") {
            alert("gender must be filled out");
        }

        let u = document.forms["form"]["email"].value;
        if (u == "") {
            alert("Email must be filled out");
        }

        let i = document.forms["form"]["tel"].value;
        if (i == "") {
            alert("Tel-Number must be filled out");
        }

        return false;
    }
}
```

```
}
```

```
var fname = document.querySelector("#first");
```

```
fname.addEventListener("input",validatefname);
```

```
function validatefname(){
```

```
    var fname = document.querySelector("#first");
```

```
    var fnamematch = /^[A-Z]{1}+[A-Za-z]$/
```

```
    if(fname.value.match(fnamematch)){
```

```
        fname.style.cssText = "background-color:lightgreen";
```

```
        fname.style.border = "1px solid black";
```

```
    }
```

```
else{
```

```
    fname.style.cssText = "background-color:yellow";
```

```
    fname.style.border = "4px solid red";
```

```
}
```

```
}
```

```
var tel = document.querySelector("#tel");
```

```
let s = document.querySelector('#sub');
```

```
s.addEventListener('click',function() {
```

```
    console.log(tel.value);
```

```
});
```

```
function ValidateEmail(e)
```

```
{
```

```
var mailformat = /\w*@\w*(\.\w{2,3})/;
```

```
if(e.value.match(mailformat))
```

```
{
```

```
        alert("Valid email address!");  
        return true;  
    }  
    else  
    {  
        alert("You have entered an invalid email address!");  
        return false;  
    }  
}  
  
function validatepass(){  
    var password = document.querySelector("#pass").value;  
    var confirm = document.querySelector("#conf").value;  
    if(password!=confirm){  
        alert("Re-enter Password");  
    }  
}  
  
var phone = document.querySelector('#tel');  
  
phone.addEventListener("input",telpho);  
  
function telpho(){  
    var tep = /[0-9]{10}/  
    if(phone.value.match(tep)){  
        phone.style.cssText = "background-color:lightgreen";  
        phone.style.border = "1px solid black";  
        if(phone.value.length==10){  
            phone.style.cssText = "background-color:lightgreen";  
            phone.style.border = "1px solid black";  
        }  
    }  
}
```

```
        else{
            phone.style.cssText = "background-color:yellow";
            phone.style.border = "4px solid red";
        }
    }
    else{
        phone.style.cssText = "background-color:yellow";
        phone.style.border = "4px solid red";
    }
}
phone.addEventListener("blur",blu);
function blu(){
    var phone = document.querySelector('#tel');
    phone.style.cssText = "background-color:white";
    phone.style.border = "1px solid black";
}

var word = document.querySelector("#conf");
word.addEventListener("input",function(){
    var password = document.querySelector("#pass").value;
    var confirm = document.querySelector("#conf").value;
    if(password==confirm){
        word.style.cssText = "background-color:lightgreen";
        word.style.border = "1px solid black";
    }
    else if(password!=confirm){
        word.style.cssText = "background-color:yellow";
        word.style.border = "4px solid red";
    }
})
})
```

```

word.addEventListener("blur",blur);

function blur(){

var word = document.querySelector("#conf");

    word.style.cssText = "background-color:white";

    word.style.border = "1px solid black";

</script>

</body>

</html>

```

Outputs:-

JavaScript Exercise –test

Style

First name:
 Last name:

This page says
 David

Select:

This page says
 No. of items in dropdown is : 4
 telephone
 phone
 call
 roll

Code:

[[link](#)] Gandhi **University** of Knowledge Technologies (RGUKT), Basar, was established to provide quality higher education to the talented rural youth of the **state of Telangana**. Established in 2008 by the then united Government of Andhra Pradesh and later was adopted by the **Government** of Telangana through a special of **act** legislation.



enter a number:

Submit

This page says
not a number

OK

Form

First Name:

Last Name:

Gender: ☐ Male ☐ Female

DOB:

Email:

Phone:

Password:

Confirm Password:

Select:

Datalist:

File: No file chosen

Form

First Name:

Last Name:

Gender: ☐ Male ☐ Female

DOB:

Email:

Phone:

Password:

Confirm Password:

Select:

Datalist:

File: No file chosen

This page says
Valid email address!

OK

Last Name:

Gender: ☐ Male ☐ Female

DOB:

Email:

This page says
First-Name must be filled out

OK

Last Name:

Gender: ☐ Male ☐ Female