

## Practical – 8

### Aim: Object Constructor Function, Form Validation

#### Source Code:

#### (HTML)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>FORM</title>
  <style>
    *{
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      font-size: large;
    }
    h1{
      text-align: center;
      font-weight: 800;
      font-size: 40px;
    }
    .con{
      margin-left: 300px;
      margin-right: 300px;
      text-align: center;
    }
    #submit{
      color: #fff;
      background-color: #4681f4;
    }
    span{
      color: red;
    }
  </style>
</head>
<body>
  <h1>Registration Form</h1>
  <div class="con">
    <form action="http://google.com" method="post" name="clgfrm">
```

```

User id: <input type="text" name="stud_id" placeholder="Required">
<span id="idstud_id"></span><br><
Pas
<span id="idpasswd"></span><br><

<span id="idname"></span><br><
Add
<span id="idaddress"></span><
  <option
    <option value="India">India</option>
    <option value="America">America</option>
    <option value="Canada">Canada</option>
    <option value="Norway">Norway</option>
  </select><span id="idcry">
</span><br><
ZIP
<span id="idzip_code"></span><

</span><br><

<input type="checkbox" name="lang[]" id="noneng">Non English
<span id="id_check">Required</span>
<br><be>

<span id="idabout"></span><br><br>

  <input type="button" onclick="getdata()" value="Submit" id="submit">
</form>
</div>
<script src="./lab_9.js"></script>
</body>
</html>

  About: <textarea name="about" placeholder="Optional"></textarea>      Language:
<input type="checkbox" name="lang[]" id="english">Englishbe>
  <input type="radio" name="sex" value="Female" id="fsex">Female<span id="idsex">
Requiredbe><

  Sex: <input type="radio" name="sex" value="Male" id="msex">Male      Email: <input
type="email" name="email" placeholder="Required"><span id="idemail"></span><br><br>be>
  Code: <input type="number" name="zip_code" placeholder="Required">be>
    value="" disabled selected hidden>(Please Select a Country)</option>be><

  Country: <select name="country">be>

```

```

ress: <input type="text" name="address" placeholder="Optional">be>
      Name: <input type="text" name="Name" placeholder="Required">be>
      sword: <input type="password" name="idpasswd" placeholder="Required">be>

```

(JS)

```

function getdata(){

    let isvalid = true;
    let stud_id = document.clgfrm.stud_id.value;//User_name
    let idpasswd = document.clgfrm.idpasswd.value;//Password
    let Name = document.clgfrm.Name.value;//Name
    let Address = document.clgfrm.address.value;//Address
    let Country = document.clgfrm.country.value;//Country
    let zip = document.clgfrm.zip_code.value;//ZIP
    let email = document.clgfrm.email.value;//email
    let msex = document.getElementById("msex").value;//Male sex
    let fsex = document.getElementById("fsex").value;//Female sex
    let checkbox = document.getElementsByName("lang[]");//Checkbox
    let about = document.clgfrm.about.value;//about
    let counter = 0;

    //Name
    if(Name.length == 0)
    {
        document.getElementById("idname").textContent = "Enter Name"
        isvalid = false
    }
    else{
        document.getElementById("idname").textContent = ""
    }

    //Stud_id
    if(stud_id.length == 0)
    {
        document.getElementById("idstud_id").textContent = "Enter ID"
        isvalid = false
    }
    else{
        document.getElementById("idstud_id").textContent = ""
    }

    //idpasswd
    if(idpasswd.length == 0)
    {

```

```
        document.getElementById("idpasswd").textContent = "Enter Password"
        invalid = false
    }
    else{
        document.getElementById("idpasswd").textContent = ""
    }

    //checkbox
    checkbox.forEach((element) => {
        if(element.checked)
        {
            counter++;
        }
    });

    //ZIP
    if(zip.length == 0)
    {
        document.getElementById("idzip_code").textContent = "Enter ZIP code";
        invalid = false;
    }
    else{
        document.getElementById("idzip_code").textContent = "";
    }

    //Email
    if(email.length == 0)
    {
        document.getElementById("idemail").textContent = "Enter Email";
        invalid = false;
    }
    else{
        document.getElementById("idemail").textContent = "";
    }

    //sex
    if(msex!=0 || fsex!=0)
    {
        document.getElementById("idsex").textContent = "";
    }
    else{
```

```
        document.getElementById("idsex").textContent = "Select One";
        invalid = false;
    }

    //country
    console.log(Country);
    if(Country.value == null)
    {
        document.getElementById("idcry").textContent = "Select Country";
        invalid = false;
    }

    else
    {
        document.getElementById("idcry").textContent = "";
        invalid = true;
    }

    //Language
    if(counter<1)
    {
        document.getElementById("id_check").textContent = "Select atleast 1 sub";
        invalid = false;
    }
    else
    {
        document.getElementById("id_check").textContent = "";
    }

    //check all con.
    if(invalid)
    {
        document.clgfrm.submit();
    }
}
```

**Output:**

The image displays two screenshots of a web browser showing a registration form. The top screenshot shows the form with placeholder text and validation messages. The bottom screenshot shows the form with sample data entered.

**Registration Form**

User id:  Required [Enter ID](#)

Password:  Required [Enter Password](#)

Name:  Required [Enter Name](#)

Address:  Optional

Country:  (Please Select a Country) [Select Country](#)

ZIP Code:  Required [Enter ZIP code](#)

Email:  Required [Enter Email](#)

Sex: ☐ Male ☐ Female [Select One](#)

Language: ☐ English ☐ Non English [Select atleast 1 sub](#)

About:  Optional

[Submit](#)

**Registration Form**

User id:  0410

Password:  \*\*\*\*\*

Name:  ABC

Address:  Optional

Country:  India

ZIP Code:  393939

Email:  ABC@gmail.com

Sex: ☒ Male ☐ Female

Language: ☒ English ☐ Non English

About:  Optional

[Submit](#)

**Conclusion:**

From this practical, I came to know the new features of the ES6 and their advantages over the traditional methods followed in java script. I have learned how to do form validation using Js.