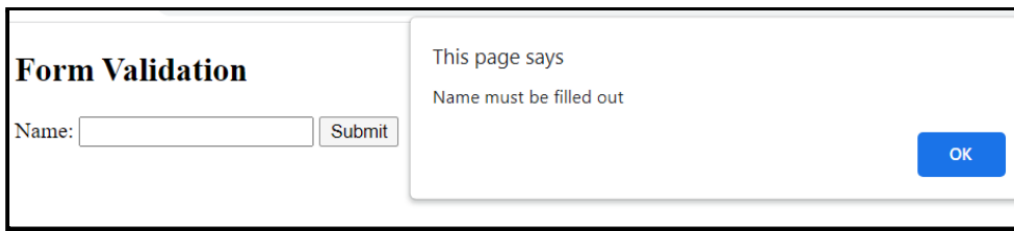


Problem statement:

With your knowledge gained on JavaScript Functions and events prepare a code that gives the following output:



Customize the number of input fields inside the form

Solution:

Html Code:

```
<!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 Validation</title>
  <link rel="stylesheet" href="javascript_validation.css" type="text/css">
</head>
<body>
  <!-- Heading div -->
  <div class="heading">
    <h3>Enter Your Details To Validate</h3>
  </div>
  <!-- Form that evoke validate() function from javascript file -->
  <form onsubmit="validate();" name="validform">
    <!-- For applicant's name -->
    <label for="fullname">Name</label>
    <input type="text" name="fullname">
    <!-- For applicant's date of birth -->
    <label for="dob">Date Of Birth</label>
    <input type="date" name="dob">
    <!-- For email address -->
    <label for="email">Email Address</label>
    <input type="email" name="email">
    <!-- For selecting region of applicanr -->
    <label for="region">Select Your Region</label>
    <select name="region" id="region">
      <option value="0">Select</option>
      <option value="AN">Andaman & Nicobar</option>
      <option value="LK">Lakshadweep</option>
      <option value="NE">North East</option>
      <option value="NW">North West</option>
      <option value="NT">Northern</option>
      <option value="CEN">Central</option>
      <option value="WT">Western</option>
      <option value="ET">Eastern</option>
      <option value="SW">South West</option>
      <option value="SE">South East</option>
    </select>
  </form>
</body>
</html>
```

```

        <option value="ST">Southern</option>
    </select>
    <!-- For entering pincode of the city -->
    <label for="pincode">Pincode</label>
    <input type="text" name="pincode">
    <!-- Submit button -->
    <button type="submit">SUBMIT</button>
</form>
<script src="javascript_validation.js" type="text/javascript"></script>
</body>
</html>

```

JS Code:

```

//function to validate form
function validate(){
    //declaring values in local variables from form fields
    var fname = document.forms["validform"]["fullname"];
    var db = document.forms["validform"]["dob"];
    var mail = document.forms["validform"]["email"];
    var rgn = document.forms["validform"]["region"];
    var pin = document.forms["validform"]["pincode"];
    //verification of name if empty or if length is smaller than 5 characters
    if(fname.value == ""||fname.value.length<5){
        alert("Enter your full name");
        document.validform.fullname.focus();
        return false;
    }
    //date of birth verification for empty field
    if(db.value == ""){
        alert("Enter your date of birth");
        document.validform.dob.focus();
        return false;
    }
    //email verification for empty field
    if(mail.value==""){
        alert("Email field is empty please fill the entry");
        document.validform.email.focus();
        return false;
    }
    //verification of region field in case nothing is selected
    if(rgn.value=="0"){
        alert("You have not selected region, Please select your region!");
        document.validform.region.focus();
        return false;
    }
    /*verification for pincode in case field is empty or entered pin is
    not a number or if the length of pin is smaller than 5 digits*/
    if(pin.value==" "||isNaN(pin.value)||pin.value.length<5){
        alert("Please enter correct pincode");
        document.validform.pincode.focus();
        return false;
    }
}
}

```

CSS Code:

```
/* Importing bootstrap icons */
@import url("https://cdn.jsdelivr.net/npm/bootstrap-icons@1.8.1/font/bootstrap-icons.css");

/* --styling of page--- */
*{
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}
body{
    background-color: rgb(138, 135, 135);
}
/* heading div styling */
.heading{
    position: relative;
    margin: auto;
    margin-bottom: 20px;
    width: 300px;
    padding: 5px;
    background-color: rgb(68, 213, 131);
    opacity: 0.8;
    border: solid 1px;
    border-style: none;
    border-radius: 5px;
}
/* form styling */
form{
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-content: center;
    position: relative;
    margin: auto;
    width: 300px;
    gap: 5px;
    background-color: rgb(95, 228, 228);
    opacity: 0.8;
    border: solid 1px;
    border-style: none;
    border-radius: 5px;
    padding: 4px;
}
/* styling of form elements */
input,label,select{
    width: 80%;
    position: relative;
    margin: auto;
    border-style: none;
    padding: 5px;
    font-size: medium;
}
button{
    width: 40%;
    position: relative;
```

```

margin: auto;
margin-top: 15px;
background-color: rgb(165, 71, 189);
border-style: none;
padding: 5px;
color: rgb(249, 250, 251);
opacity: 0.8;
border-radius: 5px;
cursor: pointer;
}

```

```

/* ----- */

```

Output:

