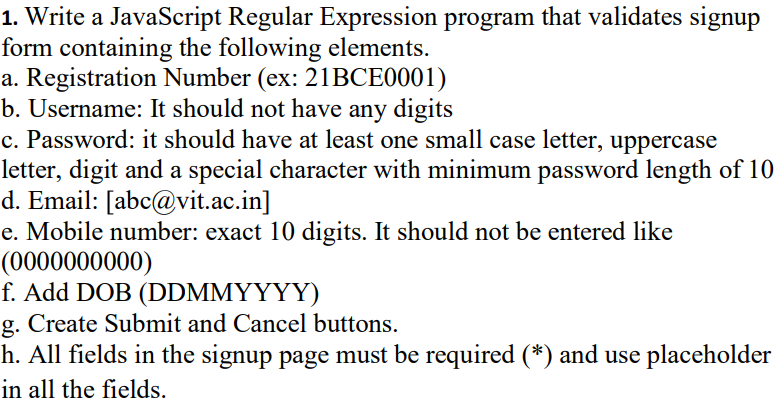
**IWP Assignment-3**

**Mayank Dhankar- 20BCE2221**

**CSE-3002-Internet Web Programming**

**Slot-L1+L2**

**Question 1-**



**jsvalidate.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>Forms</title>

</head>

<body>

    <table bgcolor="lightblue" cellpadding="10" border="1" bordercolor="#ffffff">

        <th colspan="2" bgcolor="cyan">Registration Form Validation using JS</th>

        <tr>

            <td>Registration Number</td>

            <td><input type="text" id="regno" size="9" placeholder="20BCE2221" required></td>

        </tr>

        <tr>

            <td>Username</td>

            <td><input type="text" id="name" size="30" placeholder="Mayank" required></td>

        </tr>

        <tr>

            <td>Password</td>

            <td><input type="password" id="pass" size="30" placeholder="Abcd1234$" required></td>

        </tr>

        <tr>

            <td>Email</td>

            <td><input type="email" id="email" size="30" placeholder="mayank@gmail.com" required></td>

        </tr>

        <tr>

            <td>Mobile Number</td>

            <td><input type="text" id="phone" size="10" placeholder="9955885588" required></td>

        </tr>

        <tr>

            <td>Date of Birth</td>

            <td><input type="date" id="dob" size="30" required></td>

        </tr>

        <th colspan="2" bgcolor="cyan"><input type="submit" id="submit" value="Submit">  <input type="reset" value="Cancel"></th>

    </table>

    <script src="app.js"></script>

</body>

</html>

**app.js**

var regno;

var uname;

var pass;

var email;

var phone;

var dob;

var currdate=new Date();

var submit = document.getElementById("submit");

var flag=0;

var regregex=/^[0-9]{2}[a-zA-Z]{3}[0-9]{4}$/;

var nameregex=/^[a-zA-Z]{1,}$/;

var passregex =/^(?=.\*\d)(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[^a-zA-Z0-9])(?!.\*\s).{8,}$/;

var emailregex =/^[a-zA-Z0-9.!#$%&'\*+/=?^\_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)\*$/;

var phoneregex=/^[0-9]{10}$/;

submit.addEventListener("click",function(){

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

  uname = document.getElementById("name").value;

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

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

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

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

  var inputdate = new Date(dob);

    if (regregex.test(regno) == false) {

        alert("Invalid Registration Number");

        flag=1;

    }

    if (nameregex.test(uname) == false) {

        alert("Invalid Name");

        flag = 1;

    }

    if (passregex.test(pass) == false) {

        alert("Invalid Password");

        flag = 1;

    }

    if (emailregex.test(email)==false) {

        alert("Invalid Email");

        flag = 1;

    }

    if (phoneregex.test(phone)==false) {

        alert("Invalid Phone Number");

        flag = 1;

    }

    if(inputdate.getFullYear()<currdate.getFullYear()){

        alert("Invalid Date");

        flag = 1;

    }

    else{

        if (inputdate.getMonth() < currdate.getMonth()) {

            alert("Invalid Date");

            flag = 1;

        }

        else{

            if (inputdate.getDate() < currdate.getDate()) {

                alert("Invalid Date");

                flag = 1;

            }

        }

    }

    if(flag==0){

        alert("Form Submitted Succesfully");

    }

});

**Output Screenshots**

Not Filled

Graphical user interface, application

Description automatically generated

Filled Incorrectly

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Filled Correctly

Graphical user interface, application, Teams

Description automatically generated

**Question 2-**

Text

Description automatically generated

**quiz.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>Quiz</title>

    <style>

        h1{

            display: inline;

            font-size: 3rem;

        }

        .time{

            display: inline;

            position: relative;

            left:75vw;

            color: blue;

        }

        .options{

            display: inline;

            padding-right: 50px;

        }

        th, td {

                padding-right: 300px;

                padding-bottom: 50px;

                background-color: lightgreen;

            }

    </style>

</head>

<body>

    <h1>Quiz</h1>

    <h1 class="time" id="timer">30 sec</h1>

    <table>

        <tr>

            <td>

                <div class="question">

                    <h2>Question 1</h2>

                    <p>Which one is not a Input Type in HTML</p>

                    <p class="options"><input type="radio">Radio</p>

                    <p class="options"><input type="radio">Checkbox</p>

                    <br>

                    <p class="options"><input type="radio">Input</p>

                    <p class="options"><input type="radio" id="answer1">H1</p>

                </div>

            </td>

            <td>

                <div class="question">

                    <h2>Question 2</h2>

                    <p>Whats the right extension for a javascript file</p>

                    <p class="options"><input type="radio" id="answer2">.js</p>

                    <p class="options"><input type="radio">.javascript</p>

                    <br>

                    <p class="options"><input type="radio">.javaS</p>

                    <p class="options"><input type="radio">.Jscript</p>

                </div>

            </td>

        </tr>

        <tr>

            <td>

                <div class="question">

                    <h2>Question 3</h2>

                    <p>Whats the course code for IWP</p>

                    <p class="options"><input type="radio">CSE1002</p>

                    <p class="options"><input type="radio" id="answer3">CSE3002</p>

                    <br>

                    <p class="options"><input type="radio">CSE2001</p>

                    <p class="options"><input type="radio">CSE4001</p>

                </div>

            </td>

            <td>

                <div class="question">

                    <h2>Question 4</h2>

                    <p>Which is not a looping statement</p>

                    <p class="options"><input type="radio" id="answer4">if</p>

                    <p class="options"><input type="radio">for</p>

                    <br>

                    <p class="options"><input type="radio">while</p>

                    <p class="options"><input type="radio">do while</p>

                </div>

            </td>

        </tr>

        <tr>

            <td>

                <div class="question">

                    <h2>Question 5</h2>

                    <p>Which of the operator is use to find the remainder</p>

                    <p class="options"><input type="radio">/</p>

                    <p class="options"><input type="radio">\*</p>

                    <br>

                    <p class="options"><input type="radio">&</p>

                    <p class="options"><input type="radio" id="answer5">%</p>

                </div>

            </td>

        </tr>

    </table>

    <button type="submit" id="submitBtn">Submit</button>

    <script src="timer.js"></script>

</body>

</html>

**timer.js**

var timeLeft=30;

var score=0;

var time=document.getElementById("timer");

var btn = document.getElementById("submitBtn");

var timerId=setInterval(timerCountdown,1000);

btn.addEventListener("click",countScore);

function timerCountdown(){

    if(timeLeft==-1){

        clearInterval(timerId);

        btn.disabled=true;

        time.innerHTML="Time Over";

        time.style.color="red";

    }

    else{

        time.innerHTML=timeLeft+" sec";

        timeLeft--;

    }

}

function countScore(){

    if(document.getElementById("answer1").checked){

        score++;

    }

    if (document.getElementById("answer2").checked) {

      score++;

    }

    if (document.getElementById("answer3").checked) {

      score++;

    }

    if (document.getElementById("answer4").checked) {

      score++;

    }

    if (document.getElementById("answer5").checked) {

      score++;

    }

    alert("Your Score: "+ score);

}

**Output Screenshots**

Quiz Page

A screenshot of a computer

Description automatically generated

Time Decreasing

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Time Over (Button Disabled)

Graphical user interface, chart, treemap chart

Description automatically generated

All Correct Answers (Score =5)

A screenshot of a computer

Description automatically generated

Only 2 Correct Answers (Score=2)

A screenshot of a computer

Description automatically generated