

IWP Assignment-3

Mayank Dhankar- 20BCE2221

CSE-3002-Internet Web Programming

Slot-L1+L2

Question 1-

1. Write a JavaScript Regular Expression program that validates signup form containing the following elements.
 - a. Registration Number (ex: 21BCE0001)
 - b. Username: It should not have any digits
 - c. Password: it should have at least one small case letter, uppercase letter, digit and a special character with minimum password length of 10
 - d. Email: [abc@vit.ac.in]
 - e. Mobile number: exact 10 digits. It should not be entered like (00000000000)
 - f. Add DOB (DDMMYYYY)
 - g. Create Submit and Cancel buttons.
 - h. All fields in the signup page must be required (*) and use placeholder in all the fields.

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 currrdate=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()<currrdate.getFullYear()){
        alert("Invalid Date");
        flag = 1;
    }
    else{
        if (inputdate.getMonth() < currrdate.getMonth()) {

```

```

        alert("Invalid Date");
        flag = 1;
    }
    else{
        if (inputdate.getDate() < currrdate.getDate()) {
            alert("Invalid Date");
            flag = 1;
        }
    }
}

if(flag==0){
    alert("Form Submitted Succesfully");
}

});

```

Output Screenshots

Not Filled

The screenshot shows a web browser window with two tabs: 'Forms' and 'Quiz'. The active tab is 'Forms', displaying a registration form titled 'Registration Form Validation using JS'. The form is located at the URL '127.0.0.1:5500/jsvalidate.html'. The form fields are as follows:

Registration Form Validation using JS	
Registration Number	<input type="text" value="20BCE2221"/>
Username	<input type="text" value="Mayank"/>
Password	<input type="password" value="Abcd1234\$"/>
Email	<input type="text" value="mayank@gmail.com"/>
Mobile Number	<input type="text" value="9955885588"/>
Date of Birth	<input type="text" value="dd-mm-yyyy"/>
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

The browser's taskbar at the bottom shows the Windows logo, search icon, and several application icons. The system tray on the right indicates the date and time as 20:23 on 19-09-2022.

Filled Incorrectly

Forms

Quiz

127.0.0.1:5500/jsvalidate.html

Registration Form Validation using JS

Registration Number

20BT3245

Username

Mayank12\$

Password

Email

mayank2002com

Mobile Number

7896554

Date of Birth

12-09-2022

Submit

Cancel

127.0.0.1:5500 says

Invalid Registration Number

OK

Forms

Quiz

127.0.0.1:5500/jsvalidate.html

Registration Form Validation using JS

Registration Number

20BT3245

Username

Mayank12\$

Password

Email

mayank2002com

Mobile Number

7896554

Date of Birth

12-09-2022

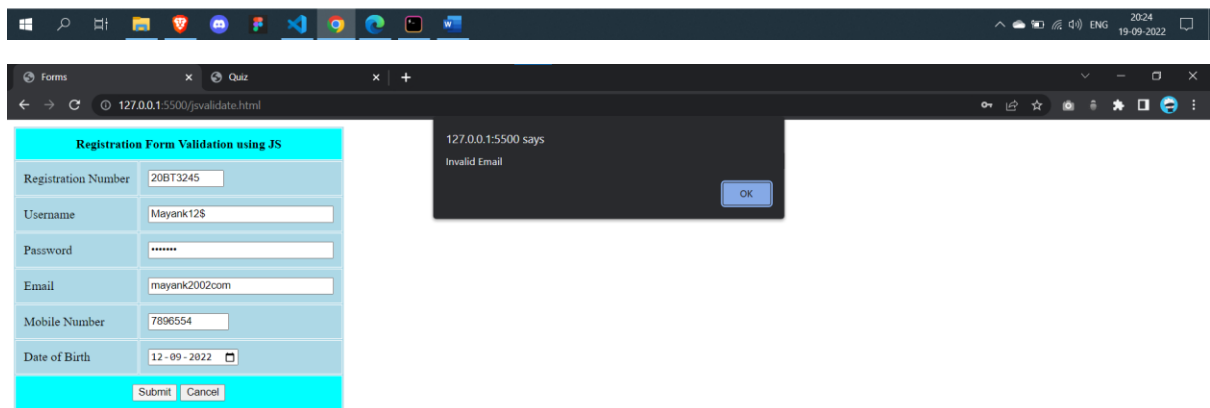
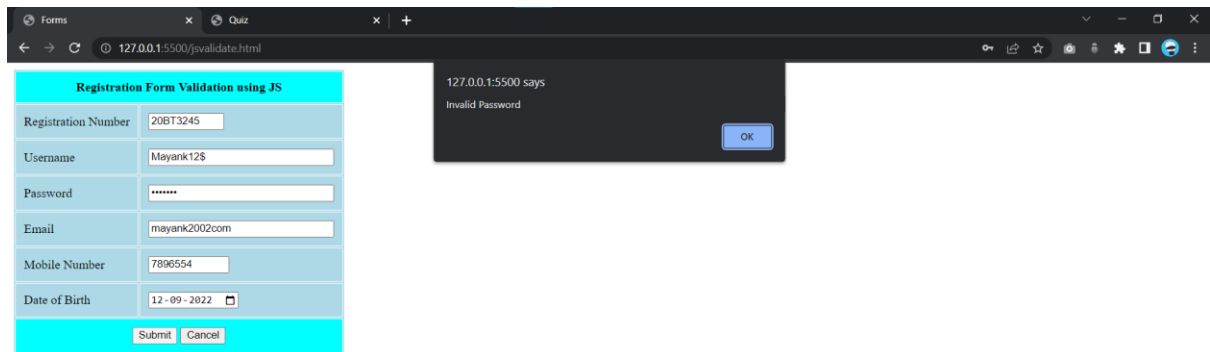
Submit

Cancel

127.0.0.1:5500 says

Invalid Name

OK



Forms Quiz

127.0.0.1:5500/jsvalidate.html

Registration Form Validation using JS

Registration Number	20BT3245
Username	Mayank12\$
Password	*****
Email	mayank2002com
Mobile Number	7896554
Date of Birth	12-09-2022

Submit Cancel

127.0.0.1:5500 says
Invalid Phone Number

OK

Forms Quiz

127.0.0.1:5500/jsvalidate.html

Registration Form Validation using JS

Registration Number	20BT3245
Username	Mayank12\$
Password	*****
Email	mayank2002com
Mobile Number	7896554
Date of Birth	12-09-2022

Submit Cancel

127.0.0.1:5500 says
Invalid Date

OK

Forms Quiz

127.0.0.1:5500/jsvalidate.html

Registration Form Validation using JS

Registration Number	20BT3245
Username	Mayank12\$
Password	*****
Email	mayank2002com
Mobile Number	7896554
Date of Birth	12-09-2022

Submit Cancel

127.0.0.1:5500 says
Invalid Date

OK

Filled Correctly

```
<!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;
```



```

        <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==0){
        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

Forms

Quiz

127.0.0.1:5500/quiz.html

30 sec

Question 1

Which one is not a Input Type in HTML

☐ Radio

☐ Checkbox

Input

H1

Question 2

Whats the right extension for a javascript file

☐ .js

☐ .javascript

☐ .javaS

☐ .Jscript

Question 3

Whats the course code for IWP

☐ CSE1002

☐ CSE3002

☐ CSE2001

☐ CSE4001

Question 4

Which is not a looping statement

☐ if

☐ for

☐ while

☐ do while

Question 5

Which of the operator is use to find the remainder

☐ /

☐ *

☐ &

☐ %

Submit

Windows

19-09-2022

Time Decreasing

Forms

Quiz

127.0.0.1:5500/quiz.html

25 sec

Question 1

Which one is not a Input Type in HTML

☐ Radio

☐ Checkbox

Input

H1

Question 2

Whats the right extension for a javascript file

☐ .js

☐ .javascript

☐ .javaS

☐ .Jscript

Question 3

Whats the course code for IWP

☐ CSE1002

☐ CSE3002

☐ CSE2001

☐ CSE4001

Question 4

Which is not a looping statement

☐ if

☐ for

☐ while

☐ do while

Question 5

Which of the operator is use to find the remainder

☐ /

☐ *

☐ &

☐ %

Submit

Windows

19-09-2022

Forms Quiz

127.0.0.1:5500/quiz.html

Quiz

14 sec

Question 1 Which one is not a Input Type in HTML <input type="radio"/> Radio <input type="checkbox"/> Checkbox <input type="text"/> Input <input type="text"/> H1	Question 2 Whats the right extension for a javascript file <input type="radio"/> .js <input type="radio"/> .javascript <input type="radio"/> .javaS <input type="radio"/> .Jscript
Question 3 Whats the course code for IWP <input type="radio"/> CSE1002 <input type="radio"/> CSE3002 <input type="radio"/> CSE2001 <input type="radio"/> CSE4001	Question 4 Which is not a looping statement <input type="radio"/> if <input type="radio"/> for <input type="radio"/> while <input type="radio"/> do while
Question 5 Which of the operator is use to find the remainder <input type="radio"/> / <input type="radio"/> * <input type="radio"/> & <input type="radio"/> %	

Submit

Windows taskbar: 20:29 19-09-2022

Time Over (Button Disabled)

Forms Quiz

127.0.0.1:5500/quiz.html

Quiz

Time Over

Question 1 Which one is not a Input Type in HTML <input type="radio"/> Radio <input type="checkbox"/> Checkbox <input type="text"/> Input <input type="text"/> H1	Question 2 Whats the right extension for a javascript file <input type="radio"/> .js <input type="radio"/> .javascript <input type="radio"/> .javaS <input type="radio"/> .Jscript
Question 3 Whats the course code for IWP <input type="radio"/> CSE1002 <input type="radio"/> CSE3002 <input type="radio"/> CSE2001 <input type="radio"/> CSE4001	Question 4 Which is not a looping statement <input type="radio"/> if <input type="radio"/> for <input type="radio"/> while <input type="radio"/> do while
Question 5 Which of the operator is use to find the remainder <input type="radio"/> / <input type="radio"/> * <input type="radio"/> & <input type="radio"/> %	

Submit

Windows taskbar: 20:28 19-09-2022

All Correct Answers (Score =5)

Forms Quiz 127.0.0.1:5500/quiz.html

Quiz

127.0.0.1:5500 says
Your Score: 5
OK

17 sec

Question 1

Which one is not a Input Type in HTML

☐ Radio ☐ Checkbox
☐ Input ☒ H1

Question 3

Whats the course code for IWP

☐ CSE1002 ☒ CSE3002
☐ CSE2001 ☐ CSE4001

Question 5

Which of the operator is use to find the remainder

☐ / ☐ *
☐ & ☒ %

Submit

Question 4

Whats the right extension for a javascript file

☒ .js ☐ .javascript
☐ .javaS ☐ .Jscript

Which is not a looping statement

☒ if ☐ for
☐ while ☐ do while

Windows taskbar: 20:30 19-09-2022

Only 2 Correct Answers (Score=2)

Forms Quiz 127.0.0.1:5500/quiz.html

Quiz

127.0.0.1:5500 says
Your Score: 2
OK

13 sec

Question 1

Which one is not a Input Type in HTML

☐ Radio ☒ Checkbox
☐ Input ☐ H1

Question 3

Whats the course code for IWP

☐ CSE1002 ☐ CSE3002
☒ CSE2001 ☐ CSE4001

Question 5

Which of the operator is use to find the remainder

☐ / ☐ *
☐ & ☒ %

Submit

Question 4

Whats the right extension for a javascript file

☒ .js ☐ .javascript
☐ .javaS ☐ .Jscript

Which is not a looping statement

☐ if ☐ for
☐ while ☒ do while

Windows taskbar: 20:31 19-09-2022