Name:Ghanashyam Bhat	SRN:PES1UG20CS153	Section: 3C
	Date:1/10/2021	Unit 2 Assignment Exercise

PROBLEM STATEMENT1 (for odd number SRNs):

I. **Create a Sign-up form that takes the following inputs:**

First name, Last name, Email address, Phone number and Address.

a) All inputs except Last Name are mandatory fields. Validate email id for correct format and phone number should be 10 digits.

b) Use addEventListener() for adding events. When you press submit button, use capturing phase.

c) If mandatory fields are not filled, then display the following
   a) Alert message should display incorrect fields, followed by Emoji in canvas.

II.Write jQuery code to accomplish the following:
   1.Add a header and paragraph your own way using CSS
   2. Remove the header and paragraph styles applied in step 1 using jQuery
   3. To toggle between fading in and fading out a header element on a Button click
   4. Using Ajax create a video element and display the video on the webpage.
Note: the sample screenshot of output is just for your reference. You have to design your own template.

OBJECTIVE

The objective of this exercise is to test the student on HMTL and JavaScript. It evaluates the student's knowledge on HTML5 and jQuery/JavaScript for DOM, events, event handling CSS Styles, AJAX

PREREQUISITE

In order to complete this exercise, the student needs to understand the fundamentals of HTML5,JavaScript and jQuery.

SAMPLE SCREENSHOT OF OUTPUT (Just for your reference)

SAMPLE1:

Sign Up Form Example

First, Last Name*:	
Organization:	
Email address*:	
Work Phone:	
Home Phone:	
Cell Phone:	
Fax:	
Address 1*:	
Address 2:	
City*:	
State/Province:	
Zip/Postal Code:	
Country*:	
* - required fields	Submit

PROGRAM I

```html
<!DOCTYPE html>
<html>
<head>
    <title>Form</title>
    <script
    src="https://code.jquery.com/jquery-3.6.0.js"
    integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk="
    crossorigin="anonymous">
    </script>
    <style>
        #emoji{
            font-size: 100px;
        }
```

```html
        </style>
</head>
<body>
    <form method="GET">
        <table>
            <tr>
                <td> <p>First,Last Name*:</p></td>
                <td><input type="text" id="first" required> <input type="text" id
="last" required></td>
            </tr>
            <tr>
                <td> <p>Organisation:</p></td>
                <td><input type="text" id="org"></td>
            </tr>
            <tr>
                <td> <p>Email Address*:</p></td>
                <td><input type="email" id="email" required></td>
            </tr>
            <tr>
                <td> <p>Work Phone:</p></td>
                <td><input type="text" id="wkph" maxlength="10" minlength="10"></
td>
            </tr>
            <tr>
                <td> <p>Home Phone:</p></td>
                <td><input type="text" id="hmph" maxlength="10" minlength="10"></
td>
            </tr>
            <tr>
                <td> <p>Cell Phone:</p></td>
                <td><input type="text" id="clph" maxlength="10" minlength="10"></
td>
            </tr>
            <tr>
                <td> <p>Fax:</p></td>
                <td><input type="text" id="fax" maxlength="10" minlength="10"></t
d>
            </tr>
            <tr>
                <td> <p>Address 1*:</p></td>
                <td><textarea id="ad1" required></textarea></td>
            </tr>
```

```html
            <tr>
                <td> <p>Address 2:</p></td>
                <td><textarea id="ad2"></textarea></td>
            </tr>
            <tr>
                <td> <p>City*:</p></td>
                <td><input type="text" id="city" required></td>
            </tr>
            <tr>
                <td> <p>State/Province:</p></td>
                <td><input type="text" id="state"></td>
            </tr>
            <tr>
                <td> <p>Zip/Postal Code:</p></td>
                <td><input type="text" id="zip" maxlength="6" minlength="6"></td>
            </tr>
            <tr>
                <td> <p>Country*:</p></td>
                <td><input type="text" id="country" required></td>
            </tr>

            <tr>
                <td> <p>* -required fields</p></td>
                <td><button id="submit">Submit</button></td>
            </tr>
        </table>
    </form>
    <p id="emoji">&#128532</p><br>
    <script>
        $(document).ready(function(){
            $("#emoji").hide();
        })
    </script>
    <script>
        document.getElementById("submit").addEventListener("click",check);

function check()
{
    var f_name = document.getElementById("first").value.length;
    var l_name = document.getElementById("last").value.length;
    var email = document.getElementById("email").value.length;
    var ad1 = document.getElementById("ad1").value.length;
```

```javascript
    var city = document.getElementById("city").value.length;
    var country = document.getElementById("country").value.length;
    var wkph = document.getElementById("wkph").value.length;
    var hmph = document.getElementById("hmph").value.length;
    var clph = document.getElementById("clph").value.length;
    var disp = "The following mandetory fields are not filled properly:\n";
    var c=0;
    if(f_name==0 ||l_name==0)
    {
        disp+="Name\n";
        c++;
    }
    if(email==0)
    {
        disp+="Email\n";
        c++;
    }
    if((wkph!=0 && wkph!=10) || (hmph!=0 && hmph!=10) || (clph!=0 && clph!=10) )
    {
        disp+="Phone Number\n";
        c++;
    }
    if(ad1==0)
    {
        disp+="Address 1\n";
        c++;
    }
    if(city==0)
    {
        disp+="City\n";
        c++;
    }
    if(country==0)
    {
        disp+="Country\n";
        c++;
    }
    if(c!==0)
    {
        alert(disp);
        $(document).ready(function(){
            $("#emoji").show();
```
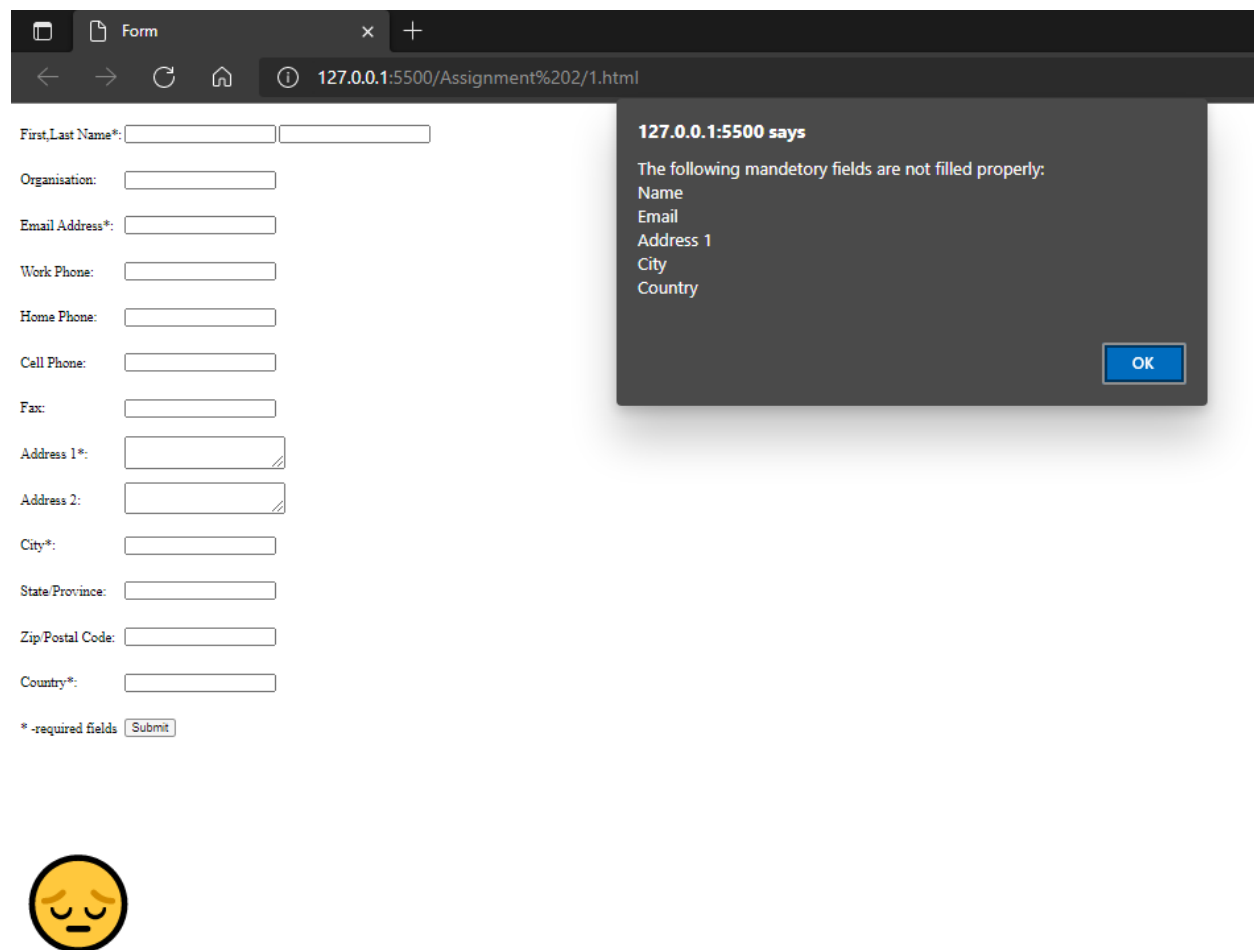
```
        })
    }
}
    </script>

</body>
</html>
```

SCREENSHOT OF YOUR OUTPUT

PROGRAM II

```
    <!DOCTYPE html>
<html>
<head>
    <title>Animate</title>
```

```html
    <script
            src="https://code.jquery.com/jquery-3.6.0.js"
            integrity="sha256-H+K7U5CnXl1h5ywQfKtSj8PCmoN9aaq30gDh27Xc0jk="
            crossorigin="anonymous">
    </script>
    <style>
        #header1{
            border:3px solid black;
            border-radius: 3px;
            color: white;
            background-color: red;
            height: 100px;
            width: 150px;
            margin:50px;
            padding-top: 80px;
            text-align: center;
            text-emphasis: bold;
            font-size: x-large;
        }
        #p1{
            color:blue;
            font-size: xx-large;
            text-emphasis: bold;
        }
    </style>
</head>
<body>
    <header id="header1">Header Tag</header>
    <p id="p1">Paragraph Tag</p>

    <button id="rem">Click To remove CSS</button>
    <button id="fad">Click To fade the Header and aragraph</button>

    <script>
        $(document).ready(function(){
            $("#rem").click(function(){
                $("header").removeAttr("id");
                $("p").removeAttr("id");
            })
        })
    </script>
```
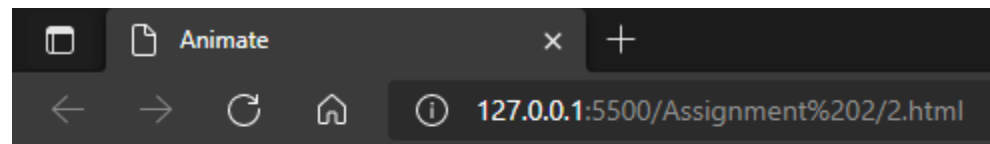
```
    <script>
        $(document).ready(function(){
            $("#fad").click(function(){
                $("header").fadeOut(3000).fadeIn(3000);
                $("p").fadeOut(3000).fadeIn(3000);
            })
        })
    </script>
</body>
</html>
```

SCREENSHOT OF YOUR OUTPUT