Question1: Create an image gallery that holds multiple images.

Answer:

Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Image Gallery</title>
</head>
<style>
    body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
    background-color: #f0f0f0;
}

.gallery {
    display: flex;
    flex-wrap: wrap;
    justify-content: center;
    gap: 20px;
}
```

```css
.gallery-item {
    width: 350px;
    overflow: hidden;
    border-radius: 10px;
}

.gallery-item img {
    width: 100%;
    height: auto;
    display: block;
    border-radius: 10px;
    transition: transform 0.3s ease;
}

.gallery-item img:hover {
    transform: scale(1.09);
}
</style>
<body>

    <div class="gallery">
        <div class="gallery-item">
            <img src="assets/DSC_0013.JPG" alt="Image 1">
        </div>
        <div class="gallery-item">
            <img src="assets/img.jpg" alt="Image 2">
        </div>
        <div class="gallery-item">
            <img src="assets/DSC_0003.JPG" alt="Image 3">
        </div>
    </div>

</body>
</html>
```
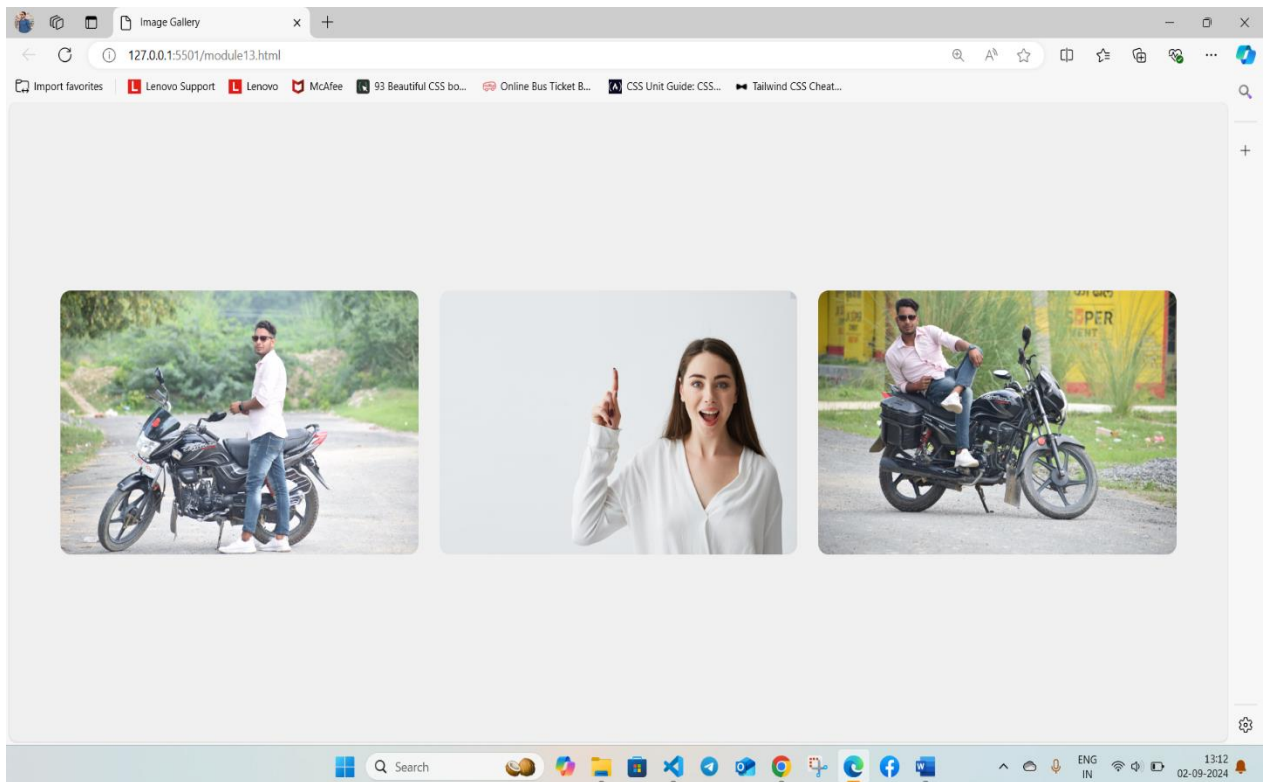
Out Put

Question2: Use video and audio tags to display video and audio with the playback audio control.

Answer:

Code

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Video with Controls</title>

</head>

<body>
```

```
    <h2>Video with Playback Controls</h2>

    <!-- Video tag with controls -->
    <video width="640" height="360" controls>
        <source src="assets/movies.mp4.mp4" type="video/mp4">
    </video>


    <h2>Audio with Playback Controls</h2>


<!-- Audio tag with controls -->
<audio controls>
    <source src="assets/mp3" type="audio/mpeg">
    Your browser does not support the audio tag.
</audio>
</html>
```

Question3: Modify previous assignment so that the audio and video play automatically as the page is loaded and they should play infinitely.

Answer:

Code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Video and Audio</title>
</head>
<body>
    <h2>Autoplay and Loop Video</h2>

<!-- Video tag with autoplay and loop -->
```

```html
<video width="640" height="360" autoplay>
    <source src="assets/mov2.mp4.mp4" type="video/mp4">
    Your browser does not support the video tag.
</video>


<h2>Autoplay and Loop Audio</h2>


<!-- Audio tag with autoplay and loop -->
<audio autoplay loop>
    <source src="assets/mp3" type="audio/mpeg">
    Your browser does not support the audio tag.
</audio>
</body>
</html>
```

Question4: Use iframe to embed the physics Wallah Wikipedia page properly.

Answer:

Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Iframe</title>
    <style>
        iframe{
            height: 300px;
            width: 800px;
        }
    </style>
</head>
<body>
```
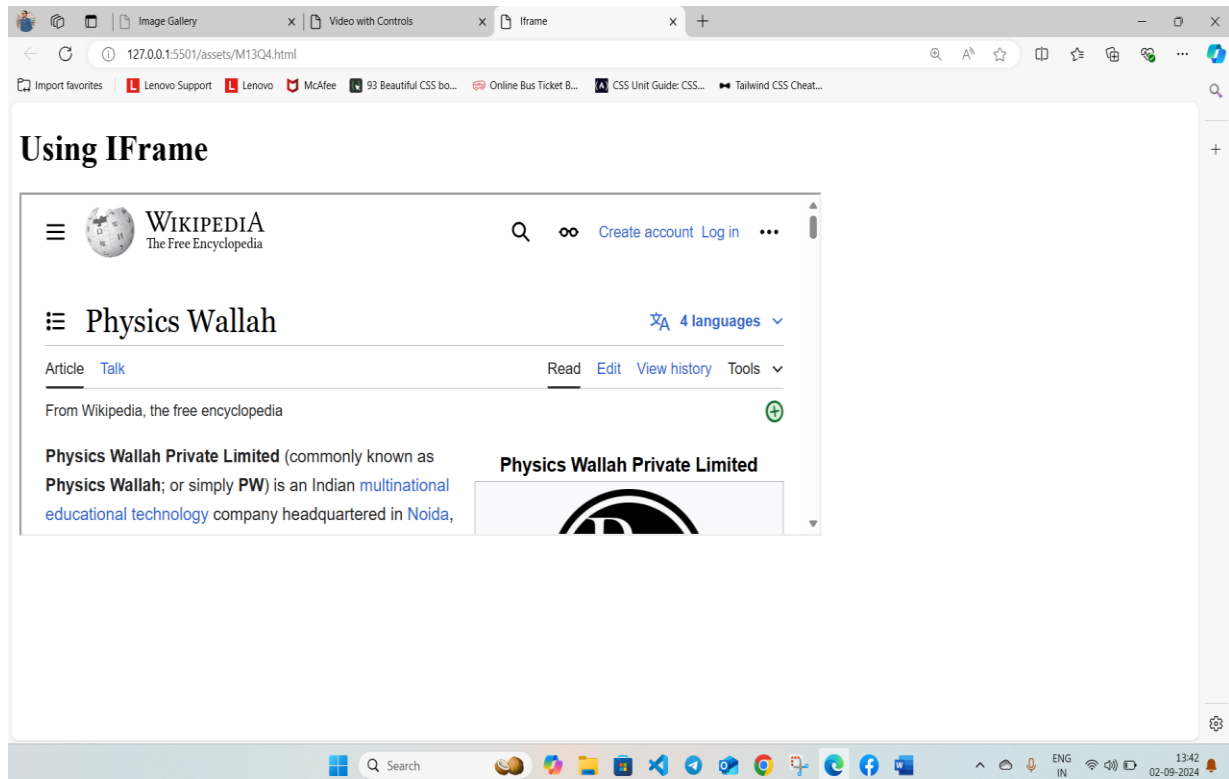
```
<h1>Using IFrame</h1>

<iframe src="https://en.wikipedia.org/wiki/Physics_Wallah" frameborder="1"></iframe>

</body>

</html>
```

Out Put

Question5:

Create a sign-up and sign-in form with proper validation.

- **Sign up form should have first name last name email password confirm password age gender and agree to terms and conditions fields at minimum (you can add any other if you like.)**
- **sign in form should have email password field**

Answer:

Code

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">
```

```html
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Sign Up & Sign In Form</title>
</head>
<body>

    <h2>Sign Up</h2>

    <form action="/submit-signup" method="post">
        <label for="firstName">First Name:</label>
        <input type="text" id="firstName" name="firstName" min="3" required><br><br>

        <label for="lastName">Last Name:</label>
        <input type="text" id="lastName" name="lastName" min="3" required><br><br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" min="3" required><br><br>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required><br><br>

        <label for="confirmPassword">Confirm Password:</label>
        <input type="password" id="confirmPassword" name="confirmPassword" required><br><br>

        <label for="age">Age:</label>
        <input type="number" id="age" name="age" min="18" required><br><br>

        <label for="gender">Gender:</label>
        <select id="gender" name="gender" required>
            <option value="male">Male</option>
            <option value="female">Female</option>
            <option value="other">Other</option>
        </select><br><br>
```

```html
      <label for="terms">
        <input type="checkbox" id="terms" name="terms" required>
        I agree to the terms and conditions
      </label><br><br>


      <button type="submit">Sign Up</button>
    </form>


  <h2>Sign In</h2>


  <form action="/submit-signin" method="post">
      <label for="signinEmail">Email:</label>
      <input type="email" id="signinEmail" name="signinEmail" required><br><br>


      <label for="signinPassword">Password:</label>
      <input type="password" id="signinPassword" name="signinPassword" required><br><br>


      <button type="submit">Sign In</button>
    </form>


</body>
</html>
```