AIT assg 3

 Name: Neha Dumane

Roll No:2201046

Div - A

1. 1) Write HTML code to design a web as per given specification. Divide the browser screen into two frames. The first frame will display the heading. Divide the second frame into two columns. The frame on the left should be name of cities consisting of hyperlinks. Clicking on any one of these hyperlinks will display related information in right hand side frame as shown below

IT companies in India	

City
• •
    • **Pune**
    Mumbai
    Banglore
	Pune
	    • Infosys
	
	    • Persistent

ans

<!DOCTYPE html>

<html>

<head>

 <title>IT Companies in India</title>

 <style>

  /* Set the layout for frames */

```css
#container {    display:
flex;    }    #frame1 {
flexbasis: 20%;
    }

    #frame2 {
flexbasis: 80%;
display: flex;
    }

    #frame2-left {    flexbasis:
50%;
    }

    #frame2-right {    flexbasis:
50%;
    }
  </style>
</head>
<body>
  <div id="container">
   <div id="frame1">
    <h1>IT Companies in India</h1>
    <ul>
     <li><a href="#pune">Pune</a></li>    <li><a
href="#mumbai">Mumbai</a></li>
```

```html
      <li><a href="#banglore">Banglore</a></li>
    </ul>
  </div>
  <div id="frame2">
   <div id="frame2-left">
    <h2 id="pune">Pune</h2>
    <ul>
     <li>Infosys</li>
     <li>Persistent</li>
    </ul>
   </div>
   <div id="frame2-right">
    <h2 id="mumbai">Mumbai</h2>
    <!-- Information for Mumbai -->
   </div>
  </div>
 </div>
</body>
</html>
```

2) Write HTML code to design a website for Online Shopping. Design home page which consist of list of items each with hyperlink, clicking on which should display related information on separate web page. (Use external CSS to format each web page)

Ans

Html

```html
<!DOCTYPE html>

<html>

<head>

  <title>Online Shopping</title>

  <link rel="stylesheet" href="styles.css">

</head>

<body>

  <h1>Welcome to Online Shopping</h1>

  <ul>

    <li><a href="product1.html">Product 1</a></li>

    <li><a href="product2.html">Product 2</a></li>

<li><a href="product3.html">Product 3</a></li>

  </ul>

</body>

</html>
```

Css

```css
/* CSS for product pages */

body { font-family: Arial, sans-serif;

}

.container {   maxwidth:

800px;   margin:

0 auto;   padding: 20px;

}

h2 {   color:

#333;

}

p {   color:

#666;

}
```
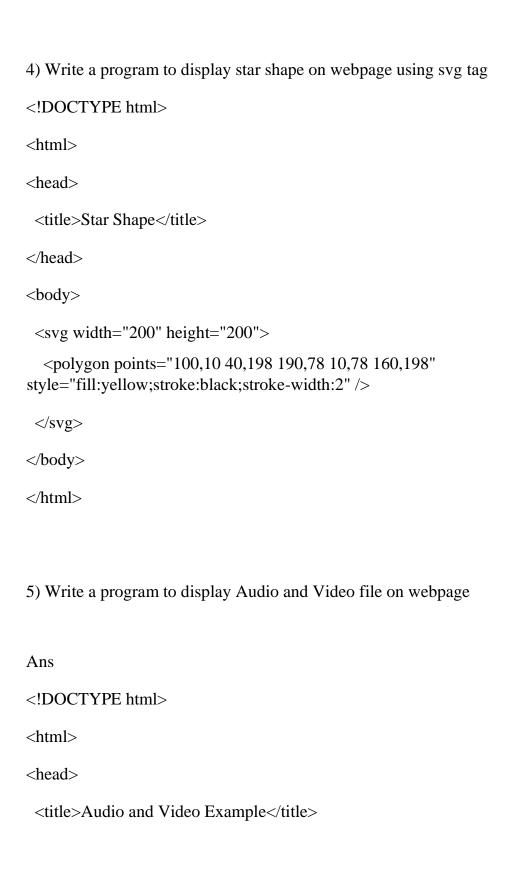
Product1.html

```html
<!DOCTYPE html>

<html>

<head>

 <title>Product 1 - Online Shopping</title> <link rel="stylesheet"
href="styles.css"> </head>

<body>

 <div class="container">

  <h2>Product 1</h2>

  <p>This is the information about Product 1.</p>

 </div>

</body>

</html>
```

Product2.html

```html
<!DOCTYPE html>

<html>

<head>

 <title>Product 2 - Online Shopping</title>

 <link rel="stylesheet" href="styles.css">
```

```
</head>

<body>

 <div class="container">

   <h2>Product 2</h2>

   <p>This is the information about Product 2.</p>

  </div>

</body>

</html>
```

Product3.html

```
<!DOCTYPE html>

<html>

<head>

 <title>Product 3 - Online Shopping</title>

 <link rel="stylesheet" href="styles.css">

</head>

<body>

 <div class="container">

   <h2>Product 3</h2>
```

```html
<p>This is the information about Product 3.</p>

  </div>

</body>

</html>
```

3)Design Aadhar card registration form and apply all the necessary validations on it.

Ans

```html
<!DOCTYPE html>

<html>

<head>

  <title>Aadhar Card Registration</title>

  <style>
.error     {
color: red;

    }

  </style>

  <script>

    // JavaScript function to validate the form inputs     function validateForm()
{     var name = document.getElementById("name").value;     var
aadharNumber = document.getElementById("aadharNumber").value;     var
mobileNumber = document.getElementById("mobileNumber").value;
```

```javascript
    // Validation rules       var
nameRegex = /^[a-zA-Z ]+$/;       var
aadharRegex = /^\d{12}$/;       var
mobileRegex = /^\d{10}$/;

    var error = false;
var errorMessage = "";

    if (!nameRegex.test(name)) {       error = true;
errorMessage += "Please enter a valid name.\n";
    }

    if (!aadharRegex.test(aadharNumber)) {       error = true;
errorMessage += "Please enter a valid Aadhar number (12
digits).\n";
    }

    if (!mobileRegex.test(mobileNumber)) {
     error = true;       errorMessage += "Please enter a valid mobile
number (10 digits).\n";
    }       if
(error)
```

```
{       alert(errorMessage);       return false;

// Prevent form submission

    }


    return true; // Allow form submission

  }

  </script>

</head>

<body>

  <h1>Aadhar Card Registration Form</h1>

  <form onsubmit="return validateForm()">

   <label for="name">Name:</label>

   <input type="text" id="name" name="name" required><br>


   <label for="aadharNumber">Aadhar Number:</label>
   <input type="text" id="aadharNumber" name="aadharNumber" required><br>


   <label for="mobileNumber">Mobile Number:</label>
   <input type="text" id="mobileNumber" name="mobileNumber"
required><br>


   <input type="submit" value="Submit">

  </form>

</body>

</html>
```

4) Write a program to display star shape on webpage using svg tag

```html
<!DOCTYPE html>

<html>

<head>

  <title>Star Shape</title>

</head>

<body>

  <svg width="200" height="200">

    <polygon points="100,10 40,198 190,78 10,78 160,198"
style="fill:yellow;stroke:black;stroke-width:2" />

  </svg>

</body>

</html>
```

5) Write a program to display Audio and Video file on webpage

Ans

```html
<!DOCTYPE html>

<html>

<head>

  <title>Audio and Video Example</title>
```

```html
</head>

<body>

  <h2>Audio Example</h2>

  <audio controls>

    <source src="audio-file.mp3" type="audio/mp3">

    Your browser does not support the audio element.

  </audio>


  <h2>Video Example</h2>

  <video controls width="400" height="300">

<source src="video-file.mp4" type="video/mp4">

    Your browser does not support the video element.

  </video>

</body>

</html>
```