

EXPERIMENT NO:-01

Aim: Develop a web application by using HTML Tags, Elements, Attributes, Head, Body, Hyperlinks, Formatting, Images, Tables, Lists, Frames, Forms, and Multimedia elements should be used.

Theory:

- **HTML Tags:** HTML tags are like keywords which defines that how web browser will format and display the content. With the help of tags, a web browser can distinguish between an HTML content and a simple content. HTML tags contain three main parts: opening tag, content and closing tag. But some HTML tags are unclosed tags.

Syntax- `<tag> content </tag>`

- **HTML Elements:** The HTML element is everything from the start tag to the end tag: `<tagname>Content goes here...</tagname>`

1. <html> element is the root element and it defines the whole HTML document. It has a start tag `<html>` and an end tag `</html>`.
2. <body> element defines the document's body. It has a start tag `<body>` and an end tag `</body>`.
3. <h1> element defines a heading. It has a start tag `<h1>` and an end tag `</h1>`: Example: - `<h1>My First Heading</h1>`
4. <p> element defines a paragraph. It has a start tag `<p>` and an end tag `</p>`: Example: - `<p>My first paragraph. </p>`
5.
 tag defines a line break, and is an empty element without a closing tag: Example: - `<p>This is a
 paragraph with a line break. </p>`
6. <hr> tag is used to provide a horizontal line.
7. <div> tag is used to provide a section in web page.

8. <a> It is termed as anchor tag and it creates a hyperlink or link.

- **HTML Attributes:** HTML attributes are special words which provide additional information about the elements or attributes are the modifier of the HTML element. Attributes provide additional information about elements. Attributes are always specified in the start tag.

Attributes usually come in name/value pairs like: name="value"

Syntax : <element attribute_name="value">content</element>

1. href Attribute: The <a> tag defines a hyperlink. The href attribute specifies the URL of the page the link goes to:

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2. src Attribute: The tag is used to embed an image in an HTML page. The src attribute specifies the path to the image to be displayed:

Example:

3. width and height Attributes: The tag should also contain the width and height attributes, which specify the width and height of the image (in pixels).
4. alt Attribute: The required alt attribute for the tag specifies an alternate text for an image, if the image for some reason cannot be displayed. This can be due to a slow connection, or an error in the src attribute, or if the user uses a screen reader.

- **HTML Head:** HTML headings are defined with the <h1> to <h6> tags. <h1> defines the most important heading. <h6> defines the least important heading.
- **HTML Body:** The <body> tag in HTML is used to define the main content present inside an HTML page. It is always enclosed within <html>tag. The <body> tag is the last child of <html> tag. A body tag contains starting as well as an ending tag.

1. <background>: It contains the URL of the background image. It is used to set the background image.

- **HTML Hyperlinks**: HTML links are hyperlinks. You can click on a link and jump to another document. When you move the mouse over a link, the mouse arrow will turn into a little hand.

By default, links will appear as follows in all browsers:

- An unvisited link is underlined and blue
 - A visited link is underlined and purple
 - An active link is underlined and red
- **HTML Formatting**: HTML Formatting is a process of formatting text for better look and feel. HTML provides us ability to format text without using CSS.

1. This is a physical tag, which is used to bold the text written between it.
2. This is a logical tag, which tells the browser that the text is important.

- **HTML Image**: tag is used to embed an image in a web page. Images are not technically inserted into a web page; images are linked to web pages. The tag creates a holding space for the referenced image. Example:

- **HTML Tables**: HTML table tag is used to display data in tabular form (row * column). There can be many columns in a row. We can create a table to display data in tabular form, using <table> element, with the help of <tr> <td>, and <th> elements.

1. <table> It defines a table.
2. <tr> It defines a row in a table.
3. <th> It defines a header cell in a table.
4. <td> It defines a cell in a table.
5. <tbody> It is used to group the body content in a table.

6. <thead> It is used to group the header content in a table.

7. <table border=" " > You can use border attribute of table tag in HTML to specify border.

- **HTML Lists:** HTML Lists are used to specify lists of information. All lists may contain one or more list elements. There are three different types of HTML lists:

1. Ordered List or Numbered List (ol): In this, all the list items are marked with numbers by default. It is known as numbered list also. Unordered list starts with the tag. Each list item starts with the tag.
2. Unordered List or Bulleted List (ul): An ordered list starts with the tag. Each list item starts with the tag. The list items will be marked with numbers by default
3. Description List or Definition List (dl): HTML also supports description lists. A description list is a list of terms, with a description of each term. The <dl> tag defines the description list, the <dt> tag defines the term (name), and the <dd> tag describes each term.

4.

- **HTML Frames:** The HTML <iframe> tag specifies an inline frame. An inline frame is used to embed another document within the current HTML document. Syntax: <iframe src="url" title="description"></iframe>

- **HTML Forms:** An HTML form is used to collect user input. The user input is most often sent to a server for processing.

1. <form>: It defines an HTML form to enter inputs by the user side.
2. <input>: It defines an input control.
3. <textarea>: It defines a multi-line input control.
4. <label>: It defines a label for an input element.
5. <option>: It defines an option in a drop-down list.
6. <button>: It defines a clickable button.

- **HTML Multimedia:** Multimedia on the web is sound, music, videos, movies, and animations. Multimedia elements (like audio or video) are stored in media files. The most common way to discover the type of a file, is to look at the file extension.

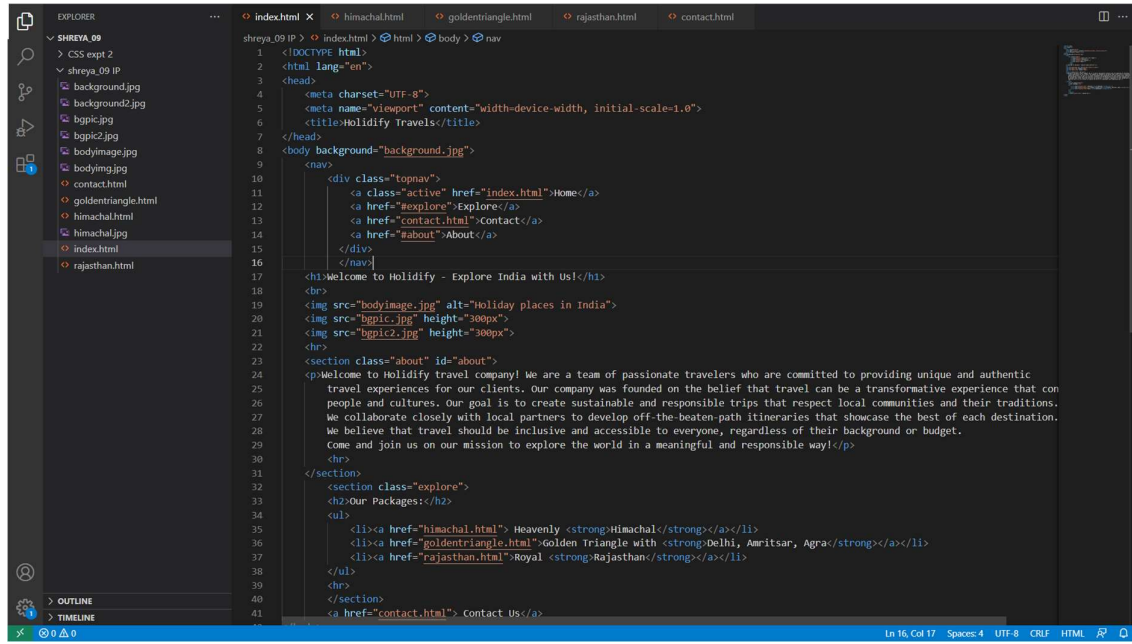
Multimedia files have formats and different extensions like: .wav, .mp3, .mp4, .mpg, .wmv, and .avi

1. <video> Element: To show a video in HTML, use the <video> element.
2. <audio> Element: To play an audio file in HTML, use the <audio> element.

Conclusion: We explored various HTML elements, tags, and attributes, witnessing how they come together to create the skeleton of a web page. HTML is crucial in establishing the content and basic layout of the pages. However, the absence of CSS presented significant challenges and limitations in terms of visual presentation and user experience. This experiment was essential in understanding the core role of HTML in web development and how CSS collaborates with it to build captivating, visually appealing and functional websites.

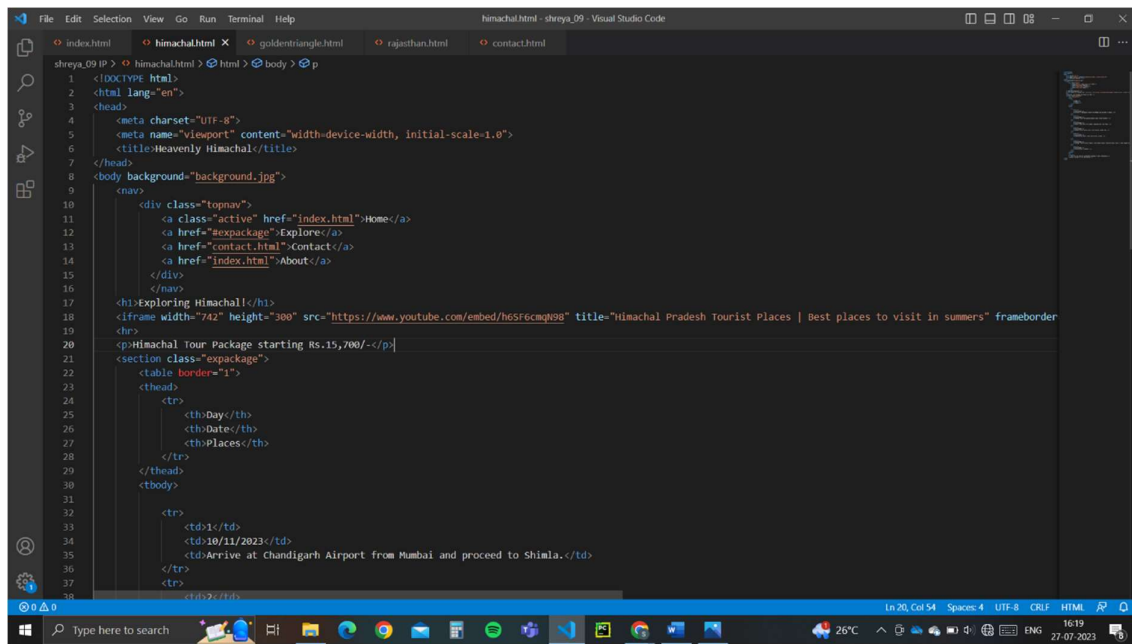
Code:

index.html:

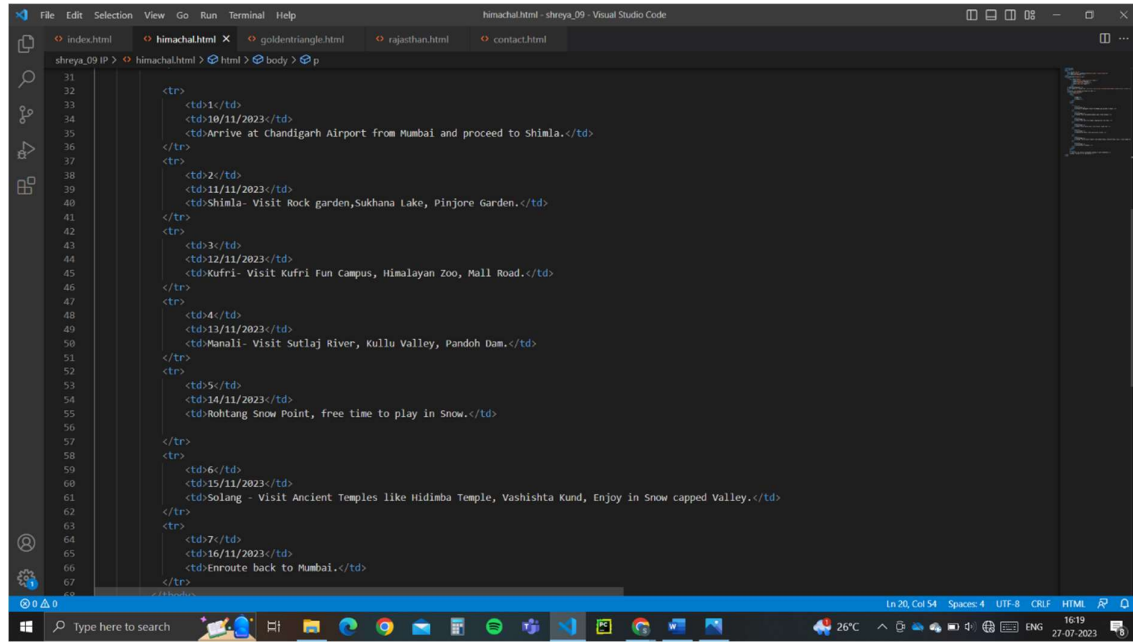


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Holidify Travels</title>
7 </head>
8 <body background="background.jpg">
9   <nav>
10    <div class="topnav">
11      <a class="active" href="index.html">Home</a>
12      <a href="#explore">Explore</a>
13      <a href="contact.html">Contact</a>
14      <a href="#about">About</a>
15    </div>
16  </nav>
17  <h1>Welcome to Holidify - Explore India with Us!</h1>
18  <br>
19  
20  
21  
22  <hr>
23  <section class="about" id="about">
24    <p>Welcome to Holidify travel company! We are a team of passionate travelers who are committed to providing unique and authentic travel experiences for our clients. Our company was founded on the belief that travel can be a transformative experience that connects people and cultures. Our goal is to create sustainable and responsible trips that respect local communities and their traditions. We collaborate closely with local partners to develop off-the-beaten-path itineraries that showcase the best of each destination. We believe that travel should be inclusive and accessible to everyone, regardless of their background or budget. Come and join us on our mission to explore the world in a meaningful and responsible way!</p>
25  </section>
26  <section class="explore">
27    <h2>Our Packages:</h2>
28    <ul>
29      <li><a href="himachal.html">Heavenly <strong>Himachal</strong></a></li>
30      <li><a href="goldentriangle.html">Golden Triangle with <strong>Delhi, Amritsar, Agra</strong></a></li>
31      <li><a href="rajasthan.html">Royal <strong>Rajasthan</strong></a></li>
32    </ul>
33  </section>
34  <hr>
35  <section>
36    <a href="contact.html"> Contact Us</a>
37  </section>
38 </body>
39 </html>
```

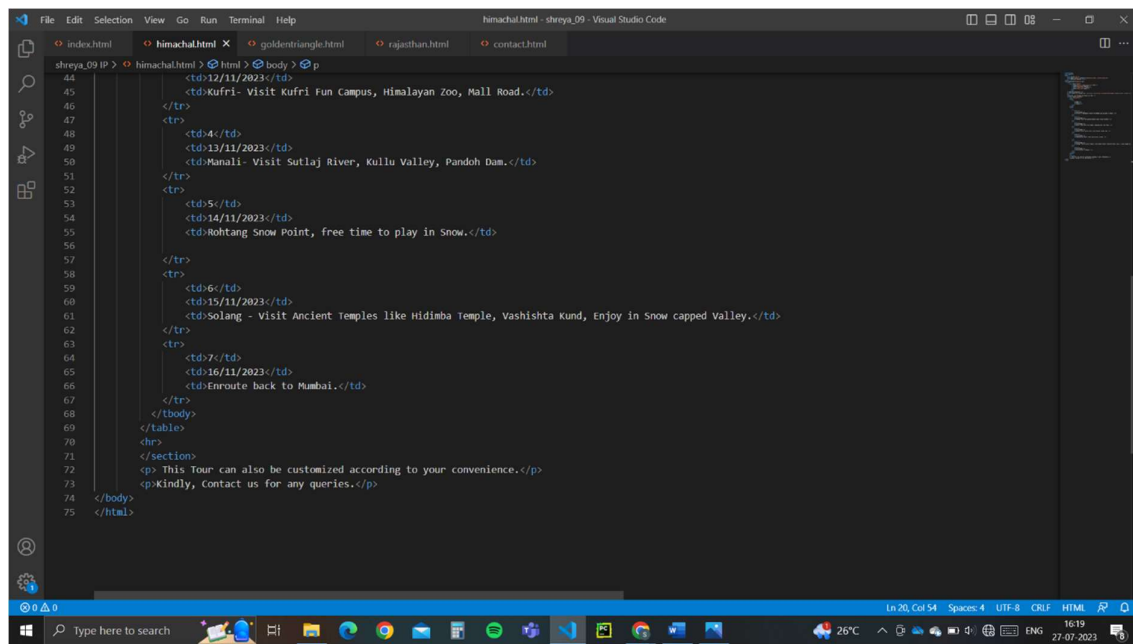
himachal.html:



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Heavenly Himachal</title>
7 </head>
8 <body background="background.jpg">
9   <nav>
10    <div class="topnav">
11      <a class="active" href="index.html">Home</a>
12      <a href="#explore">Explore</a>
13      <a href="contact.html">Contact</a>
14      <a href="index.html">About</a>
15    </div>
16  </nav>
17  <h1>Exploring Himachal</h1>
18  <iframe width="742" height="300" src="https://www.youtube.com/embed/h6SfcmqN98" title="Himachal Pradesh Tourist Places | Best places to visit in summers" frameborder="1">
19  </iframe>
20  <p>Himachal Tour Package starting Rs.15,700/-</p>
21  <section class="expackage">
22    <table border="1">
23      <thead>
24        <tr>
25          <th>Day</th>
26          <th>Date</th>
27          <th>Places</th>
28        </tr>
29      </thead>
30      <tbody>
31        <tr>
32          <td>1</td>
33          <td>10/11/2023</td>
34          <td>Arrive at Chandigarh Airport from Mumbai and proceed to Shimla.</td>
35        </tr>
36      </tbody>
37    </table>
38  </section>
```

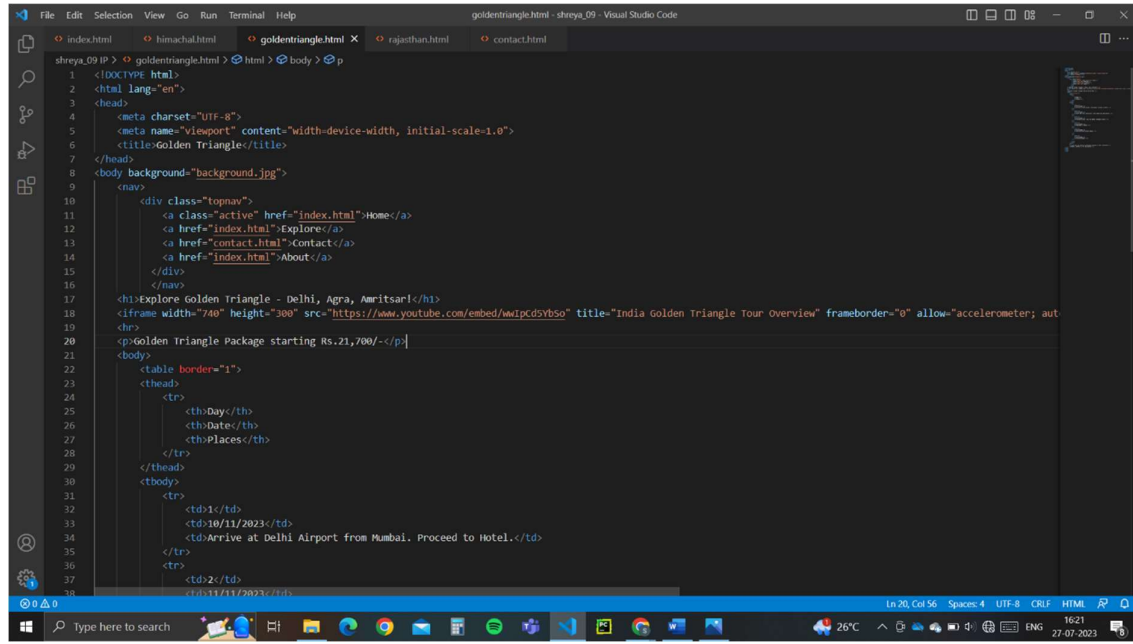


```
21 <tr>
22 <td>1</td>
23 <td>10/11/2023</td>
24 <td>Arrive at Chandigarh Airport from Mumbai and proceed to Shimla.</td>
25 </tr>
26 <tr>
27 <td>2</td>
28 <td>11/11/2023</td>
29 <td>Shimla- Visit Rock garden,Sukhana Lake, Pinjore Garden.</td>
30 </tr>
31 <tr>
32 <td>3</td>
33 <td>12/11/2023</td>
34 <td>Kufri- Visit Kufri Fun Campus, Himalayan Zoo, Mall Road.</td>
35 </tr>
36 <tr>
37 <td>4</td>
38 <td>13/11/2023</td>
39 <td>Manali- Visit Sutlaj River, Kullu Valley, Pandoh Dam.</td>
40 </tr>
41 <tr>
42 <td>5</td>
43 <td>14/11/2023</td>
44 <td>Rohtang Snow Point, free time to play in Snow.</td>
45 </tr>
46 <tr>
47 <td>6</td>
48 <td>15/11/2023</td>
49 <td>Solang - Visit Ancient Temples like Hidimba Temple, Vashishta Kund, Enjoy in Snow capped Valley.</td>
50 </tr>
51 <tr>
52 <td>7</td>
53 <td>16/11/2023</td>
54 <td>Enroute back to Mumbai.</td>
55 </tr>
56
```

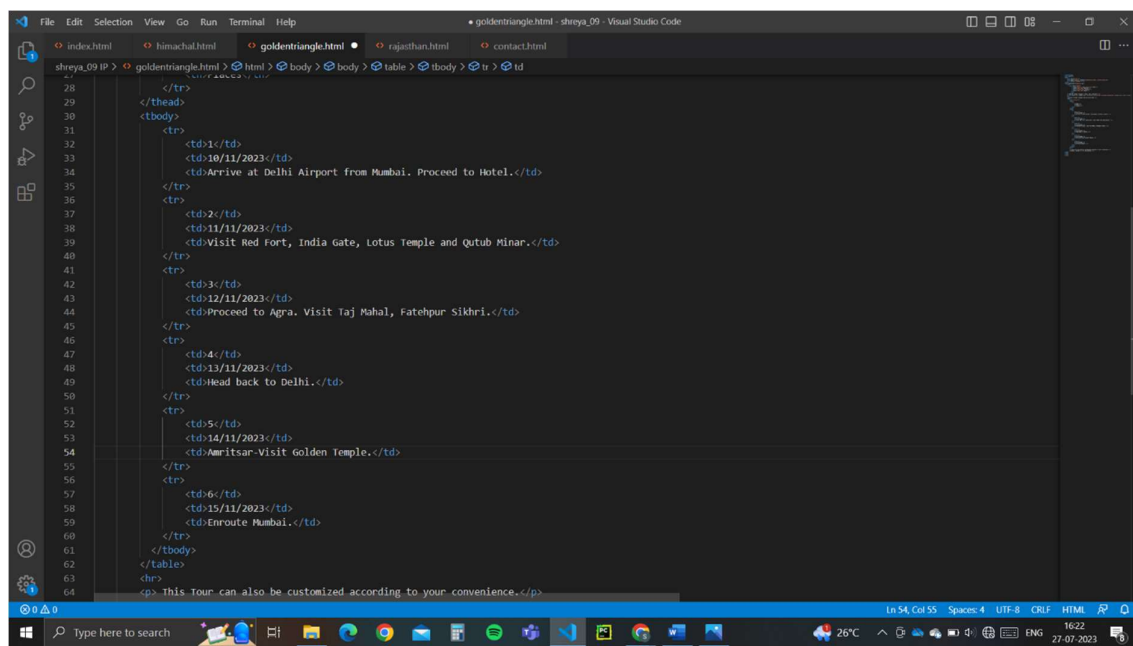


```
44 <td>12/11/2023</td>
45 <td>Kufri- Visit Kufri Fun Campus, Himalayan Zoo, Mall Road.</td>
46 </tr>
47 <tr>
48 <td>4</td>
49 <td>13/11/2023</td>
50 <td>Manali- Visit Sutlaj River, Kullu Valley, Pandoh Dam.</td>
51 </tr>
52 <tr>
53 <td>5</td>
54 <td>14/11/2023</td>
55 <td>Rohtang Snow Point, free time to play in Snow.</td>
56 </tr>
57 <tr>
58 <td>6</td>
59 <td>15/11/2023</td>
60 <td>Solang - Visit Ancient Temples like Hidimba Temple, Vashishta Kund, Enjoy in Snow capped Valley.</td>
61 </tr>
62 <tr>
63 <td>7</td>
64 <td>16/11/2023</td>
65 <td>Enroute back to Mumbai.</td>
66 </tr>
67 </tbody>
68 </table>
69 <hr>
70 </section>
71 <p>This Tour can also be customized according to your convenience.</p>
72 <p>Kindly, contact us for any queries.</p>
73 </body>
74 </html>
75
```

goldentriangle.html:

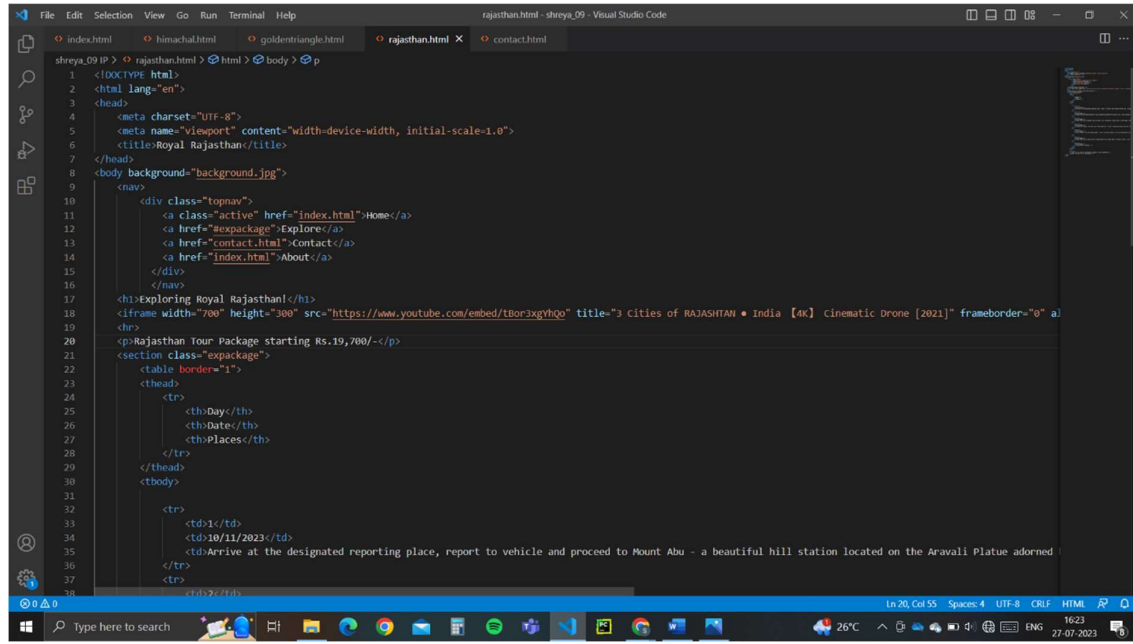


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Golden Triangle</title>
7 </head>
8 <body background="background.jpg">
9   <nav>
10     <div class="topnav">
11       <a class="active" href="index.html">Home</a>
12       <a href="index.html">Explore</a>
13       <a href="contact.html">Contact</a>
14       <a href="index.html">About</a>
15     </div>
16   </nav>
17   <h1>Explore Golden Triangle - Delhi, Agra, Amritsar!</h1>
18   <iframe width="740" height="380" src="https://www.youtube.com/embed/wipcd5Yb5o" title="India Golden Triangle Tour Overview" frameborder="0" allow="accelerometer; aut
19   <hr>
20   <p>Golden Triangle Package starting Rs.21,700/</p>
21 </body>
22 <table border="1">
23   <thead>
24     <tr>
25       <th>Day</th>
26       <th>Date</th>
27       <th>Places</th>
28     </tr>
29   </thead>
30   <tbody>
31     <tr>
32       <td>1</td>
33       <td>10/11/2023</td>
34       <td>Arrive at Delhi Airport from Mumbai. Proceed to Hotel.</td>
35     </tr>
36     <tr>
37       <td>2</td>
```

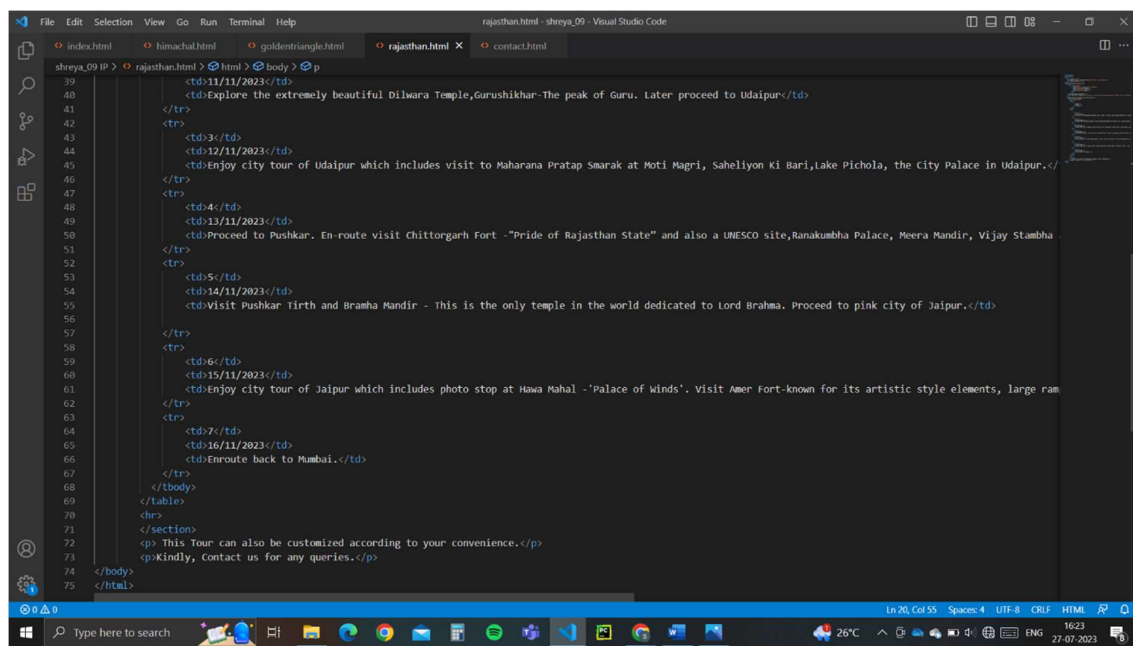


```
38       <td>11/11/2023</td>
39       <td>Visit Red Fort, India Gate, Lotus Temple and Qutub Minar.</td>
40     </tr>
41     <tr>
42       <td>3</td>
43       <td>12/11/2023</td>
44       <td>Proceed to Agra. Visit Taj Mahal, Fatehpur Sikhri.</td>
45     </tr>
46     <tr>
47       <td>4</td>
48       <td>13/11/2023</td>
49       <td>Head back to Delhi.</td>
50     </tr>
51     <tr>
52       <td>5</td>
53       <td>14/11/2023</td>
54       <td>Amritsar-Visit Golden Temple.</td>
55     </tr>
56     <tr>
57       <td>6</td>
58       <td>15/11/2023</td>
59       <td>Enroute Mumbai.</td>
60     </tr>
61   </tbody>
62 </table>
63 <hr>
64 <p>This Tour can also be customized according to your convenience.</p>
```


rajasthan.html:



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Royal Rajasthan</title>
7 </head>
8 <body background="background.jpg">
9   <nav>
10     <div class="topnav">
11       <a class="active" href="index.html">Home</a>
12       <a href="#expackage">Explore</a>
13       <a href="contact.html">Contact</a>
14       <a href="index.html">About</a>
15     </div>
16   </nav>
17   <h1>Exploring Royal Rajasthan</h1>
18   <iframe width="700" height="380" src="https://www.youtube.com/embed/tBor3xgYh00" title="3 Cities of RAJASTHAN • India [4K] Cinematic Drone [2021]" frameborder="0" a
19   <hr>
20   <p>Rajasthan Tour Package starting Rs.19,700/-</p>
21   <section class="expackage">
22     <table border="1">
23       <thead>
24         <tr>
25           <th>Day</th>
26           <th>Date</th>
27           <th>Places</th>
28         </tr>
29       </thead>
30       <tbody>
31         <tr>
32           <td>1</td>
33           <td>11/11/2023</td>
34           <td>Arrive at the designated reporting place, report to vehicle and proceed to Mount Abu - a beautiful hill station located on the Aravali Piatue adorned
35         </tr>
36         <tr>
37           <td>2</td>
```



```
38           <td>3</td>
39           <td>11/11/2023</td>
40           <td>Explore the extremely beautiful Dilwara Temple,Gurushikhar-The peak of Guru. Later proceed to Udaipur.</td>
41         </tr>
42         <tr>
43           <td>3</td>
44           <td>12/11/2023</td>
45           <td>Enjoy city tour of Udaipur which includes visit to Maharana Pratap Smarak at Moti Magri, Saheliyon Ki Bari,lake Pichola, the City Palace in Udaipur.</td>
46         </tr>
47         <tr>
48           <td>4</td>
49           <td>13/11/2023</td>
50           <td>Proceed to Pushkar. En-route visit Chittorgarh Fort -"Pride of Rajasthan State" and also a UNESCO site,Ranakumbha Palace, Meera Mandir, Vijay Stambha
51         </tr>
52         <tr>
53           <td>5</td>
54           <td>14/11/2023</td>
55           <td>Visit Pushkar firth and Brama Mandir - This is the only temple in the world dedicated to Lord Brahma. Proceed to pink city of Jaipur.</td>
56         </tr>
57         <tr>
58           <td>6</td>
59           <td>15/11/2023</td>
60           <td>Enjoy city tour of Jaipur which includes photo stop at Hawa Mahal -'Palace of Winds'. Visit Amer Fort-known for its artistic style elements, large ram
61         </tr>
62         <tr>
63           <td>7</td>
64           <td>16/11/2023</td>
65           <td>Enroute back to Mumbai.</td>
66         </tr>
67       </tbody>
68     </table>
69   <hr>
70   </section>
71   <p>This Tour can also be customized according to your convenience.</p>
72   <p>Kindly, contact us for any queries.</p>
73 </body>
74 </html>
```

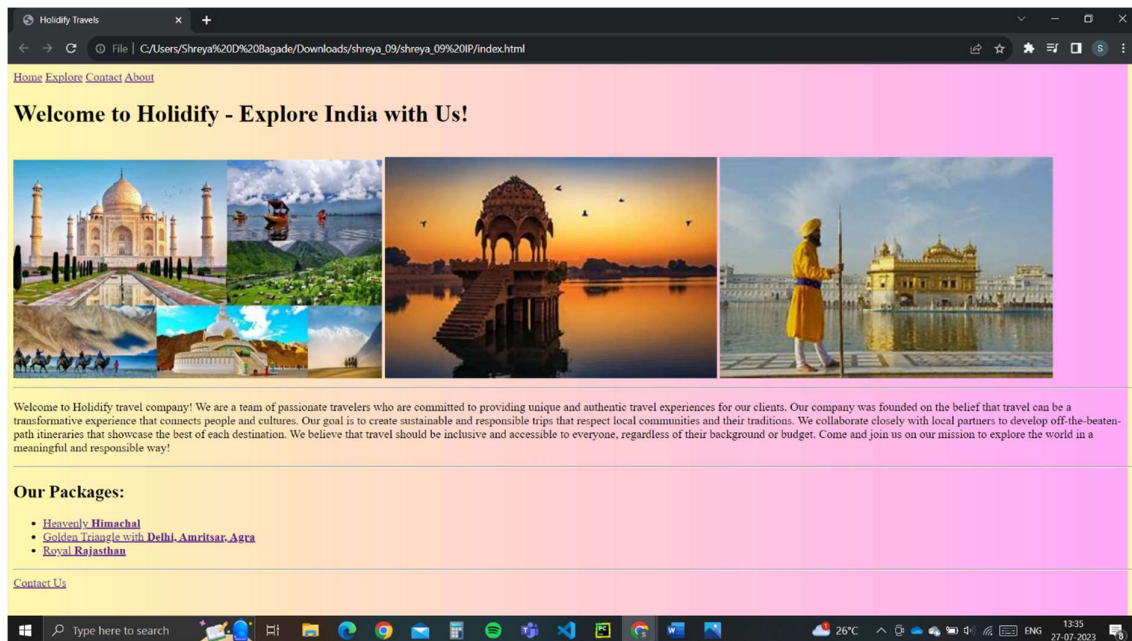
contact.html:

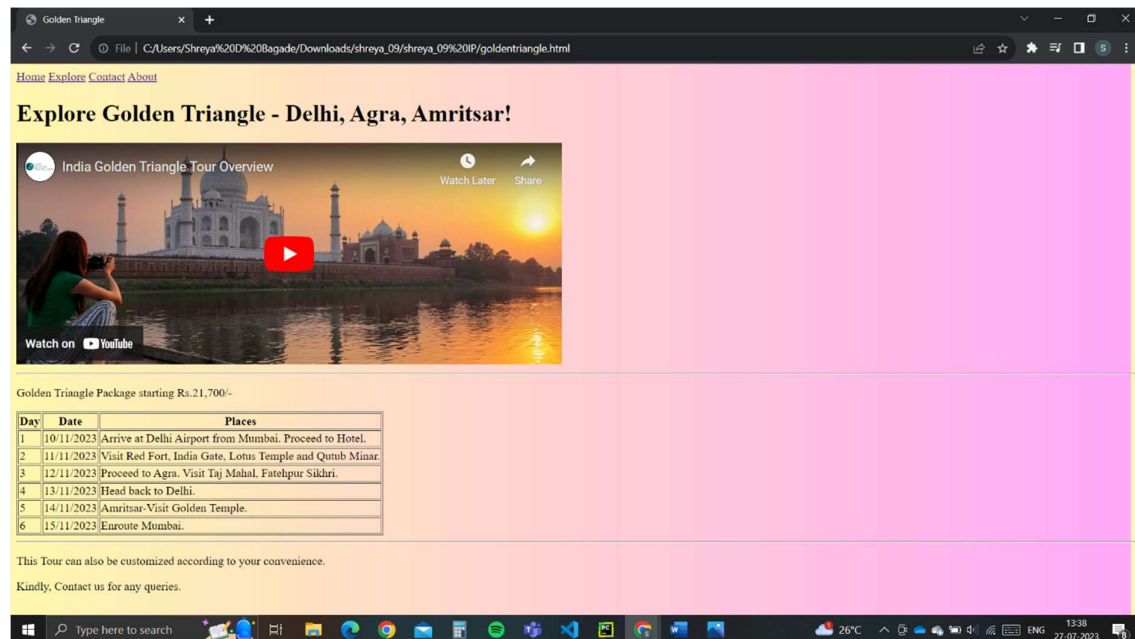
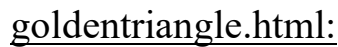
```
File Edit Selection View Go Run Terminal Help
contact.html - shreya_09 - Visual Studio Code

shreya_09 IP > contact.html > html > body > nav
4 <meta charset="utf-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Contact Us</title>
7 </head>
8 <body background="background.jpg">
9 <nav>
10 <div class="topnav">
11 <a class="active" href="index.html">Home</a>
12 <a href="#explore">Explore</a>
13 <a href="contact.html">Contact</a>
14 <a href="#about">About</a>
15 </div>
16 </nav>
17 <p>Fill In Your Details to get Detailed Information.</p>
18 <div>
19 <form action="" method="post">
20 <div class="name"><label for="name">Name:</label>
21 <input type="text"></div>
22 <br>
23 <div class="email"><label for="email">Email:</label><input type="email">
24 </div>
25 <br>
26 <div class="message"><label for="message">Message:</label> <input type="message">
27 </div>
28 <input type="submit" value="Submit">
29 </form>
30 <br>
31 <br>
32 <p>You may Contact Us on:</p>
33 <ul>
34 <li>Email: holidify@gmail.com</li>
35 <li>Contact Number: 022-22145698/9632587411</li>
36 <li>Office Address: Office No.201, Lotus tower, 3M Road, Andheri(W), Mumbai.</li>
37 </ul>
38 <a href="index.html">Home</a>
39 </body>
40 </html>
```

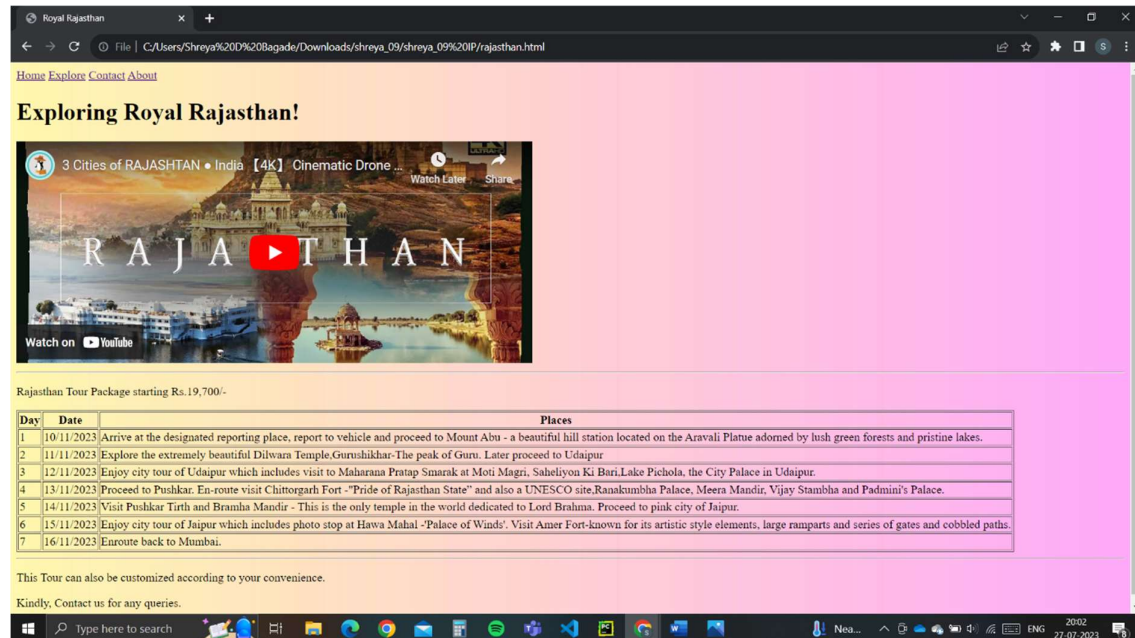
Output:

index.html :

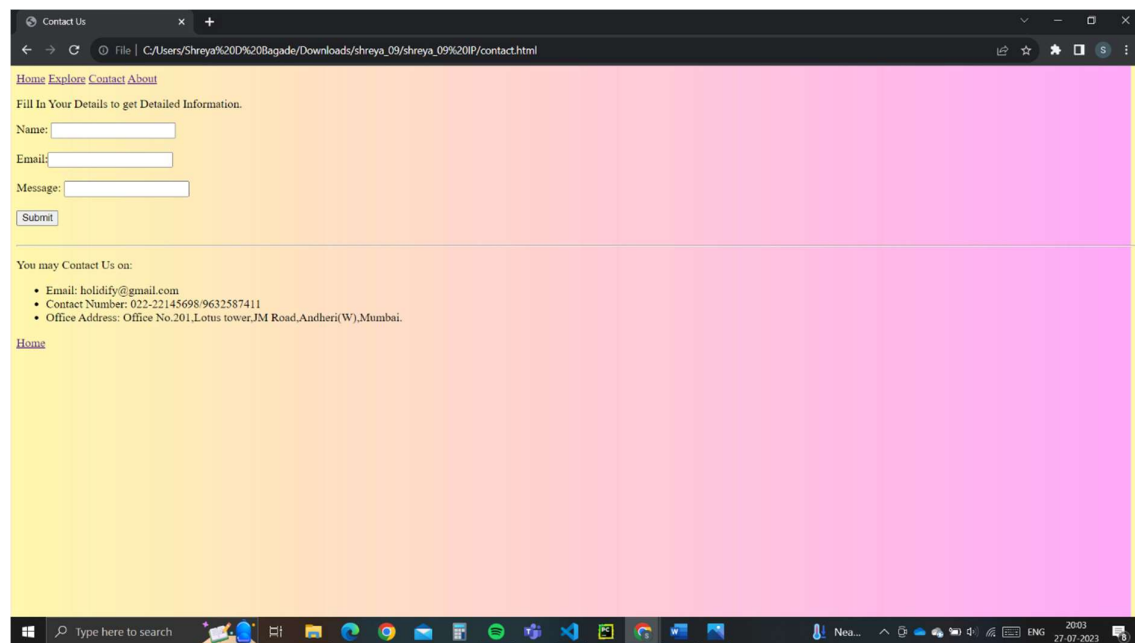




rajasthan.html:



contact.html:



Lab Outcome: LO1- To orient students to HTML for making webpages.