Aror University of Art, Architecture, Design & Heritage Sukkur

Lab 10: HTML Hyperlink, Images, and Tables:

Subject: Application of Information & Communication Technologies

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Introduction

In this lab, you will learn how to create hyperlinks and insert images into your HTML documents. Hyperlinks allow you to link to other web pages or resources, while images can be used to add visual interest and provide additional information.Also you will learn how to create tables to organize tabular data in your HTML documents. Tables are a great way to present data in a clear and concise way.

Objective

- To be able to create hyperlinks using anchor (a) tags
- To be able to specify both internal and external links
- To be able to insert images using the image (img) tag
- To be able to provide alternative text (alt attribute) for images
- To be able to create tables using the <table>, <tr>, <td>, and <th> tags
- To be able to format tables with captions (caption) and headers (thead, tbody, tfoot)
- To be able to merge cells and control alignment (colspan, rowspan)

Creating Hyperlinks with Anchor (a) Tags

An anchor tag, also known as an "a" tag, is used to create hyperlinks. The basic syntax for an anchor tag is as follows:

```
<a href="URL">Link Text</a>
```

The "href" attribute specifies the URL of the resource you want to link to. The "Link Text" is the text that will be displayed as the hyperlink.

Example

```
<a href="https://www.google.com">Google</a>
```

This code will create a hyperlink that says "Google" and links to the Google website.

Specifying Both Internal and External Links

You can use anchor tags to link to both internal and external resources. An internal link is a link to another page on the same website, while an external link is a link to a page on a different website.

Example:

```
<a href="about.html">About Us</a>
<a href="https://www.wikipedia.org">Wikipedia</a>
```

This code will create two hyperlinks. The first link will link to the "about.html" page on the same website, while the second link will link to the Wikipedia website.

Link to an Email Address

Use mailto: inside the href attribute to create a link that opens the user's email program (to let them send a new email):

Send email

HTML Links - The target Attribute

By default, the linked page will be displayed in the current browser window. To change this, you must specify another target for the link.

The target attribute specifies where to open the linked document.

The target attribute can have one of the following values:

• _self - Default. Opens the document in the same window/tab as it was clicked

• _blank - Opens the document in a new window or tab

Remove the underline from link

 Home

Inserting Images Using the Image (img) Tag

The image tag is used to insert images into your HTML documents. The basic syntax for an image tag is as follows:

```
<img src="image.jpg" alt="Alternative Text">
```

The "src" attribute specifies the URL of the image file. The "alt" attribute specifies the alternative text for the image. This text will be displayed if the image cannot be loaded for some reason.

Example

```
<img src="image.jpg" alt="My Image">
```

This code will insert the image "image.jpg" into the HTML document. If the image cannot be loaded, the text "My Image" will be displayed instead.

Here is an example of how to set the height and width of an HTML image:

```
<img src="image.jpg" alt="Image of Google logo" height="200" width="300">
```

HTML Tables:

HTML tables allow web developers to arrange data into rows and columns.

A simple HTML table:

```html
<table>
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <tr>
    <td>Aror University</td>
    <td>aghafoor.faculty@gmail.com</td>
    <td>Pakistan</td>
  </tr>
  <tr>
    <td>Sukkur IBA University</td>
    <td>saif.hassan@iba-suk.edu.pk</td>
    <td>Pakistan</td>
  </tr>
</table>
```

Table Cells

Each table cell is defined by a `<td>` and a `</td>` tag.

td stands for table data.

Everything between <td> and </td> are the content of the table cell.

```
<table>
  <tr>
    <td>Emil</td>
    <td>Tobias</td>
    <td>Linus</td>
  </tr>
</table>
```

Table **Rows**

Each table row starts with a <tr> and ends with a </tr> tag.

tr stands for table row.

```
<table>
  <tr>
    <td>Emil</td>
    <td>Tobias</td>
    <td>Linus</td>
  </tr>
  <tr>
    <td>16</td>
    <td>14</td>
    <td>10</td>
  </tr>
</table>
```

Table Headers

Sometimes you want your cells to be table header cells. In those cases use the <th> tag instead of the <td> tag:

th stands for table header.

Let the first row be table header cells:

```
<table>
  <tr>
    <th>Person 1</th>
    <th>Person 2</th>
    <th>Person 3</th>
  </tr>
```

```
 <tr>
  <td>Emil</td>
  <td>Tobias</td>
  <td>Linus</td>
 </tr>
 <tr>
  <td>16</td>
  <td>14</td>
  <td>10</td>
 </tr>
</table>
```

HTML Table Tags

Tag	Description
<table>	Defines a table
<th>	Defines a header cell in a table
<tr>	Defines a row in a table
<td>	Defines a cell in a table
<caption>	Defines a table caption

Table Borders

The border attribute can be used to set the width of the border around the table. For example, the following code will add a 1px border to the table:

```
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
}
```

Style Table Borders

```
table, th, td {
   border: 1px solid white;
   border-collapse: collapse;
}
th, td {
   background-color: #96D4D4;
}
```
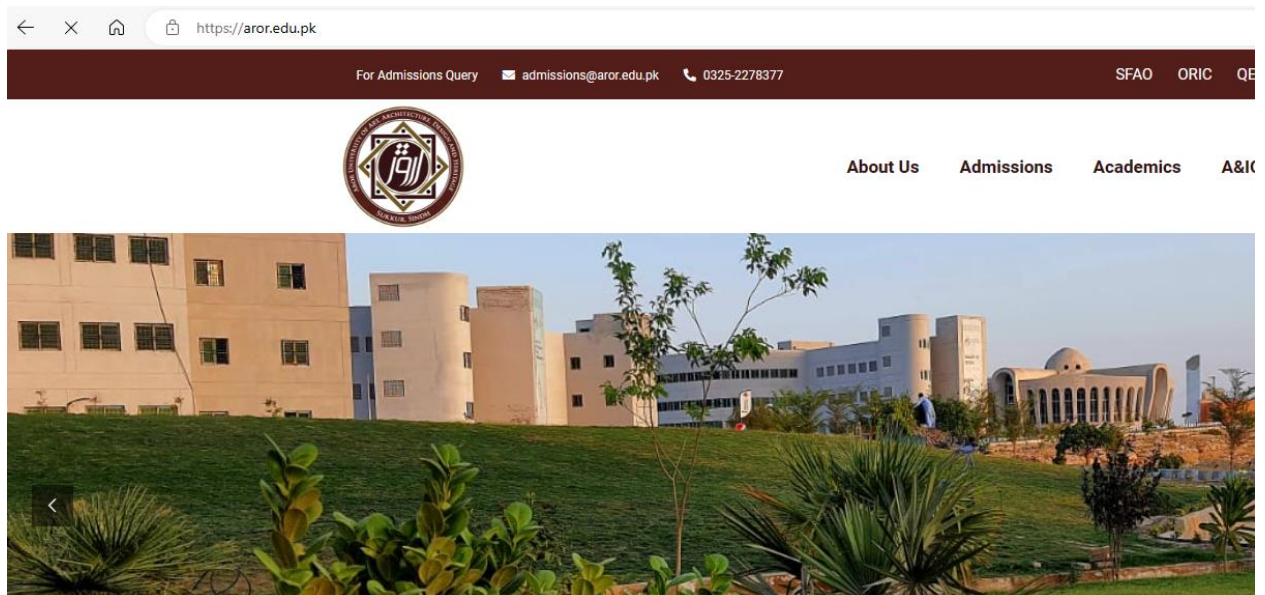
Border Color

```
 th, td {
   border-color: #96D4D4;
}
```

Task 01: Display the Aror University logo into a webpage and make it clickable to redirect users to the Aror University website:

Example

After clicking the logo:

Task 2: Create a separate HTML file for each page of your website: home.html, about.html, and contact.html. Each page should have a navigation bar that allows users to easily navigate between the three pages.

← C ⌂ ⓘ File | D:/Aror%20University/fall%202023/ICT/html/Contact.html

This Contact Page

Home About Contact

Task 03: Improve presentation task2 with help of Tables

← C ⌂ ⓘ File | D:/Aror%20University/fall%202023/ICT/html/about.html

Home About Contact

This About Page

Task 04: Create the following webpage with help of tables and images in HTML.

Student ID	Name	Email	Image
1	Muzamil ahmed	muzamil@gmail.com	
2	Ahisha	ahisha@gmail.com	
3	Mazhar	mazhar@gmail.com	
4	Hassnain	Hassnain@gmail.com	