Lab 02

Working with HTML Links and tables

Objective:

After this lab the students should be able to ==add linking information==, creating ==multiple page==s, and ==navigating in a website== and ==add tables== in web pages.

Activity Outcomes:

To familiarize the students with
- Internal links
- External links
- In-page references
- use of tables in a web page

Instructor Note:

As pre-lab activity, read Chapter 3 from the textbook "Web Design Playground: HTML & CSS the Interactive Way 1st Edition, April 2019 by Paul McFedries".

1) Useful Concepts

TAG	Description
`<a>`	The `<a>` tag defines a hyperlink, which is used to link from one page to another
`href`	The href attribute specifies the URL of the page the link goes to
`<table>`	HTML tables allow web developers to arrange data into rows and columns
`<tr>`	The `<tr>` HTML element defines a row of cells in a table
`<th>`	The `<th>` tag defines a header cell in an HTML table.
`<td>`	The `<td>` tag defines a standard data cell in an HTML table.
`<thead>`	The `<thead>` tag is used to group header content in an HTML table
`<tbody>`	The `<tbody>` tag is used to group the body content

	in an HTML table
`<tfoot>`	The `<tfoot>` tag is used to group footer content in an HTML table.

2) Solved Lab Activities

Sr. No	Allocated Time	Level of Complexity	CLO Mapping
Activity 1	20 Minutes	Low	CLO-4
Activity 2	20 Minutes	Low	CLO-4
Activity 3	20 Minutes	Low	CLO-4

Activity 1:

Use the page you created in the first lab and add the following linking information

- **Create links to home, departments, admission and exams pages of CUI Islamabad campus**

Solution:

```
<html>
<head>
<title>Home</title>
</head>
<body bgcolor="#98E0F0">
<h1><font color="#1322D6"> COMSATS University Islamabad </font>
</h1>
<hr width="100%" color="#030303" size="4" />

<a href="home.html"> click here</a>
<a href="departments.html"> click here</a>
 <a href="admissions.html"> click here</a>
<a href="exam page.html"> click here</a>
<Center><p><h2><b><pre> Home    Department Admissions Academics
Exams</pre></b></h2> </p> </center>
<hr width="100%" color="#030303" size="4" />
<br />
<p> <h2><font color="#1322D6"> Historic Perspective:</font> </h2>
</p>
<a href="lol.html"> click here </a><!-- Write your comments here -->
<p>WWF's goal is to: <q>Build a future where people live in harmony
with nature.</q></p>
</body>
```

```
</html>
```

Output

Activity 2:

Create a table to add the add basic html table including the details of Company, Contact, and Country.

Solution:

```
<!DOCTYPE html>
<html>
<style>
table, th, td {
  border:1px solid black;
}
</style>
<body>

<h2>A basic HTML table</h2>

<table style="width:100%">
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <tr>
    <td>Alfreds Futterkiste</td>
```

```
    <td>Maria Anders</td>
    <td>Germany</td>
  </tr>
  <tr>
    <td>Centro comercial Moctezuma</td>
    <td>Francisco Chang</td>
    <td>Mexico</td>
  </tr>
</table>

</body>
</html>
```

Output

A basic HTML table

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico

Activity 3:

Create a table as shown in the figure given below:

OCTOBER		NOVEMBER	
Sales	Profit	Sales	Profit
$200,00	$50,00	$300,000	$70,000
NOVEMBER WAS MORE PRODUSTIVE			

Solution:

```
<table>
  <thead>
    <tr>
      <th colspan="2">October</th>
      <th colspan="2">November</th>
```

```
      </tr>
   </thead>

   <tbody>
      <tr>
         <td>Sales</td>
         <td>Profit</td>
         <td>Sales</td>
         <td>Profit</td>
      </tr>
      <tr>
         <td>$200,00</td>
         <td>$50,00</td>
         <td>$300,000</td>
         <td>$70,000</td>
      </tr>
   </tbody>

   <tfoot>
      <tr>
         <th colspan= "4">November was more produstive</th>
      </tr>
   </tfoot>
</table>
```

Output

OCTOBER		NOVEMBER	
Sales	Profit	Sales	Profit
$200,00	$50,00	$300,000	$70,000
NOVEMBER WAS MORE PRODUSTIVE			

3) Graded Lab Tasks

Lab Task 1

Create in-page reference to the list created in the body and marks the locations accordingly.

Add tables to department and admission pages.

Lab Task 2

Use tables to create a page layout given below that displays your profile (Persional Homepage)