Lab 02

Working with HTML Links and tables

Objective:

After this lab the students should be able to add linking information, creating multiple pages, 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**

Solution:

```
<html>
<head>
<title>Home</title>
</head>
<body bgcolor="#98E0F0">
<h1><font color="#1322D6"> NEWPORT INSTITUTE KARACHI    </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

NEWPORT INSTITUTE KARACHI

Click here Click here Click here Click here

Home Department Admisions Academics Exams

Historic Prespective:

Click here

WWF's goal is to: "Build a future where people live in harmony with nature."

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

Note: The instructor can design graded lab activities according to the level of difficult and complexity of the solved lab activities. The lab tasks assigned by the instructor should be evaluated in the same lab.

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 (Personal Homepage)