Lab 01
HTML Basics

Objective:

- After this lab the students should be able to understand the use of markup language "HTML" and its basic tags.

Activity Outcomes:

The activities provide hands-on practice with the following topics
- Design basic web page using HTML Tags
- Add text formatting tags
- Add lists to web pages
- Add images and videos to the web pages

Instructor Note:

As pre-lab activity, read Chapter 1, 2 from the textbook "Web Design Playground: HTML & CSS the Interactive Way 1st Edition, April 2019 by Paul McFedries".

1) Useful Concepts

TAG	Description
<!DOCTYPE>	Defines the document type
<html>	Defines an HTML document
<head>	Contains metadata/information for the document
<title>	Defines a title for the document
<body>	Defines the document's body
<h1> to <h6>	Defines HTML headings
<p>	Defines a paragraph
 	Inserts a single line break
<hr>	Defines a thematic change in the content
<!--...-->	Defines a comment
<img src="abc.jpg">	Inserts an image

<video src="abc.mp4">	Inserts Video
	Order list
	Adding list items
	Unoredered list
<dl>	tag defines a description list.
<dt>	defines terms/names
<dd>	describes each term/name
<iframe>	An inline frame is used to embed another document within the current HTML document.

HTML Basic Structure

```
<html>
<head>
<title> Page Title Goes Here </title>
</head>
<body>
content goes here
</body>
</html>


Adding audio,image and video files:
<html>
<head>
<title>adding video</title>
</head>
<body>
<img src="abc.jpg">
<video src="abc.mp4">
</body>
</html>
```

How To Create basic web page

1. Open Notepad
2. Click on File -> Save as…
3. In the File name pull-down box, type in webpage.html
4. Click on Save
5. Type in content for your file
6. Once you finished the content, click on File -> Save

2) Solved Lab Activities

Sr. No	Allocated Time	Level of Complexity	CLO Mapping
Activity 1	30 Minutes	Low	CLO-4
Activity 2	30 Minutes	Low	CLO-4

Activity 1

- *Create a basic page as given below*
- *Add text and apply text formatting Solution:*

Solution

```html
<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" />


<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>
```
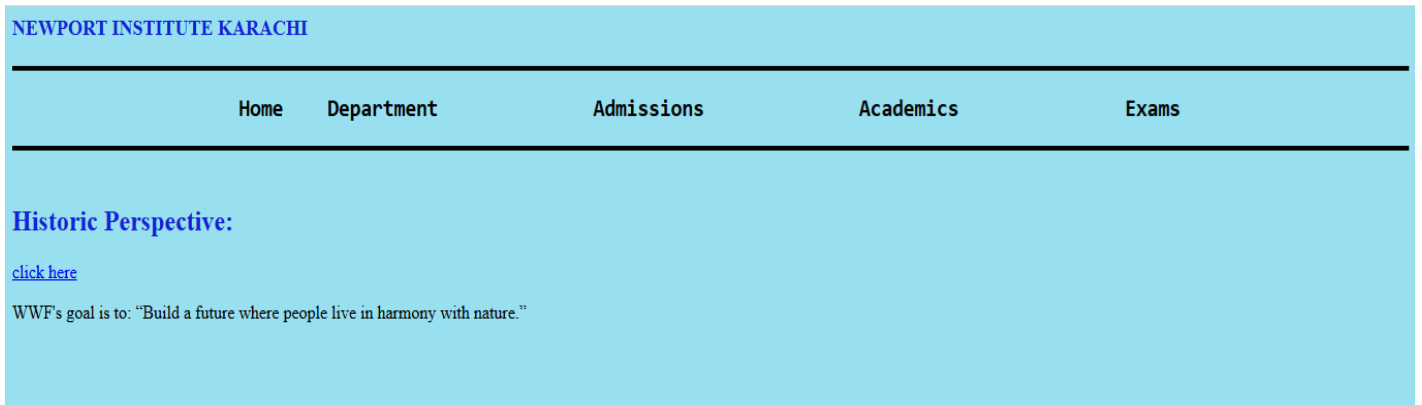
Output:

Historic Perspective:

click here

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

Activity 2:

Add list of topics, images and videos to your website

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" />
<Center><p><h2><b><pre> Home     Department Admissions Academics
Exams</pre></b></h2> </p> </center>
<hr width="100%" color="#030303" size="4" />
<ol type="I" start="4">
<li> computer </li>
<li> mouse </li>
<li> keyboard </li>
</ol>
<br />
<dl>
<dt>Coffee</dt>
<dd>- black hot drink</dd>
<dt>Milk</dt>

<dd>- white cold drink</dd>
</dl>
<img src="akweb.png" alt="logo"
```
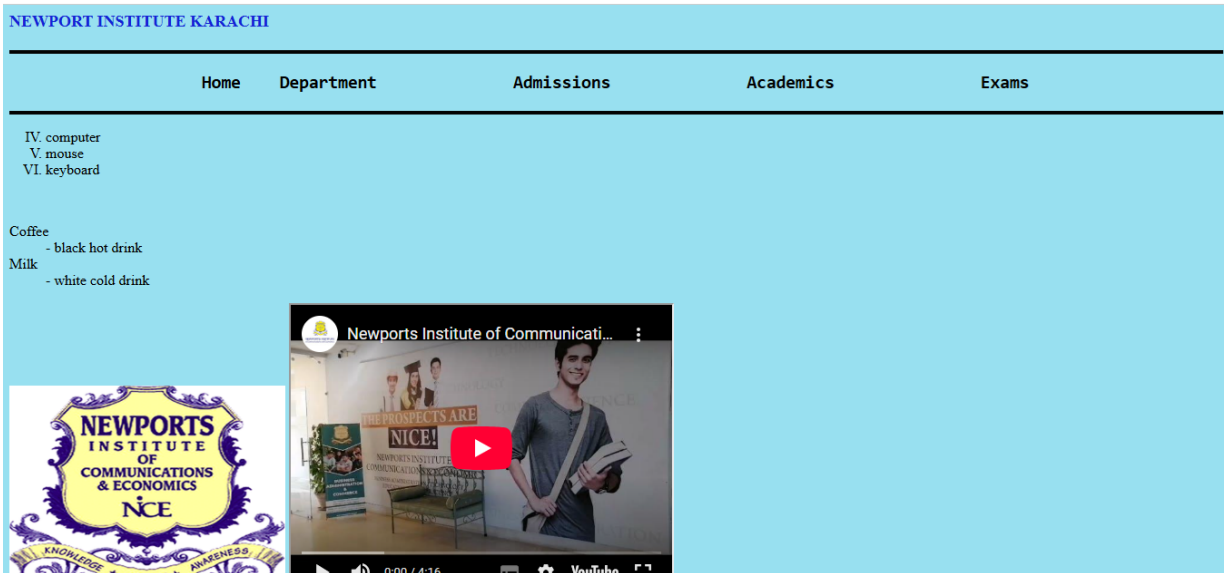
```
style="width:304px;height:228px;">
<iframe width="420" height="315" src="https://www.youtube.com/embed/
xNwOQfDhS90?autoplay=1">
</iframe>
</body> </html>
```

Output

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

Learn and try different tags and formatting options on your webpage of Comsats.

Lab Task 2

Create a webpage for Comsats library. Add lists and apply text formatting to your page. use videos and images of the library and then add them to your page.

Lab Task 3

Use inline styling to make the webpage created in lab task 2, more aesthetic.