

HTML Lab Activity

Structuring Web Applications With HTML

Summarize what you have learned about HTML in this lab

HTML is a markup language used for structuring Web pages. It is called a markup language because it uses tags to lay the structure of a web page.

HTML uses elements which is a composition of the opening and closing tags, elements tell the browser something about the information embedded within the opening and closing tags.

This markup language is an essential tool in web development because it allows us to format text, insert images, audios, videos, favicons among others that bring out the impressive outlook of the web pages that we browse online. Perhaps it also allows us to link web pages to each other, a phenomenon called Hyperlinking. HTML also allows us to link to other code blocks of other programming languages like CSS and JavaScript, that allow us to add the graphic outlook and interactivity of our web pages with the users.

Structure of HTML Documents

<!DOCTYPE -this is where the version of html you are going to use lies->

<html>

<head>

<title>Title of the web pages lies here<\title>

<meta>Details about the pages, including author and more lie here<\meta>

<link>Links to CSS stylesheets, JS and favicons are embedded here<\link>

<\head>

<body>

<h1>This is the Main Heading</h1>

<p>This text might be an introduction to the rest of the page. And if the page is a long one it might be split up into several sub-headings.</p>

<h2>This is a Sub-Heading</h2>

<p>Many long articles have sub-headings so to help you follow the structure of what is being written. There may even be sub-sub-headings (or lower-level headings).</p>

<h2>Another Sub-Heading</h2>

<p>Here you can see another sub-heading.</p>

</body>

</html>

Part 2: Creating HTML Document

Code

```
<> index.html
1  <!DOCTYPE html>
2
3  <html>
4    <head>
5      <title>Index Page</title>
6    </head>
7
8    <body>
9      <h1><strong><u>UGANDA CHRISTIAN UNIVERSITY</u></strong></h1>
10     <h2>ACADEMICS:</h2>
11     <p>Uganda Christian University (UCU) is a private , Christian university located in Mukono, Uganda.</p>
12     <p>Founded in 1997, it is one of the top-ranked universities in Uganda.</p>
13     <p>It is accredited by the<em> National Council for Higher Education.</em></p> <br>
14
15     <h2><strong>UCU BADGE</strong></h2>
16     
17   </body>
18 </html>
```

Document Output

UGANDA CHRISTIAN UNIVERSITY

ACADEMICS:

Uganda Christian University (UCU) is a private , Christian university located in Mukono, Uganda.

Founded in 1997, it is one of the top-ranked universities in Uganda.

It is accredited by the *National Council for Higher Education*.

UCU BADGE



Part 4 & 5: Creating my first web page

Code

```
about.html > html > body > table
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>About-My Webpage</title>
5      </head>
6      <body>
7          <h2>Campuses include:</h2>
8          <ul>
9              <li>Mukono Main Campus</li>
10             <li>Arua Campus</li>
11             <li>Kampala Campus</li>
12             <li>Mbale Campus</li>
13         </ul>
14         <ol>
15             <h2>Courses offered include:</h2>
16             <li>BSIT</li>
17             <li>DSCS</li>
18             <li>BSDS</li>
19             <li>DIT</li>
20         </ol>
21         <table width="400" cellpadding="5" cellspacing="5" border="4">
22             <tr>
23                 <th>COURSE UNIT</th>
24                 <th>STUDENT</th>
25                 <th>HOME TOWN</th>
26             </tr>
27             <tr>
28                 <td>BSIT</td>
29                 <td>Joseph</td>
30                 <td>Jinja</td>
31             </tr>
32             <tr>
33                 <td>BSCS</td>
34                 <td>Rachel</td>
35                 <td>Mbarara</td>
```

Campuses include:

- Mukono Main Campus
- Arua Campus
- Kampala Campus
- Mbale Campus

Courses offered include:

1. BSIT
2. DSCS
3. BSDS
4. DIT

COURSE UNIT	STUDENT	HOME TOWN
BSIT	Joseph	Jinja
BSCS	Rachel	Harare
BSDS	Emma	Wakiso

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