

CEGEP VANIER COLLEGE

CENTRE FOR CONTINUING EDUCATION

Web Programming

420-999-VA

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Lab 2

Jul 05, 2022

Lab 2: Linking HTML Web Pages

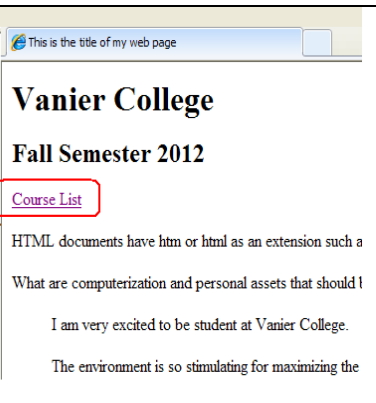
Complete all these following HTML scripts as explained in my **Lab 2 YouTube Video 1**. All *missing HTML coding* are presented in this YouTube video with explanation.

1. Developing a Web Site: All files should be saved under the subfolder *Lab2*

- **Creating a Hypertext Link**

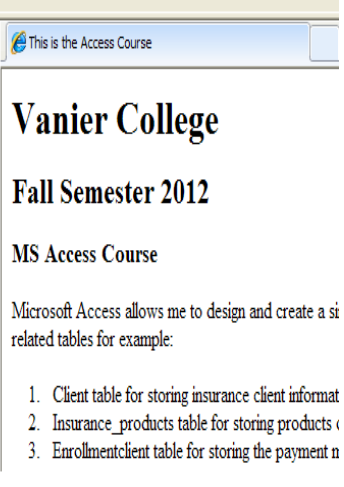
The set of opening and closing `<a>` tags is used to add hypertext links.

```
<a href="Course List.htm">Course List</a>
```

HTML Code	Preview
<pre>1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 <h1>Vanier College</h1> 7 <h2>Fall Semester 2012</h2> 8 Course List 9 <p> 10 HTML documents have htm or html as an extension such as student.htm or student.html. 11 We gonna use Notepad++ to edit HTML documents.</p> 12 <p>What are computerization and personal assets that should 13 be acquired by a student to succeed and perform in her study? 14 Do you have any specific expectations about your long term evolution? </p> 15 <blockquote> 16 <p>I am very excited to be student at Vanier College.</p> 17 <p>The environment is so stimulating for maximizing the learning. Adam Smith.</p> 18 </blockquote> 19 </body> 20 </html></pre>	

- **Creating a New sub folder *vaniercourse* under *Lab2***

Within the sub folder *vaniercourse*, create the html file named **msaccess.htm** as shown hereafter:

HTML Code	Preview
<pre>1 <html> 2 <head> 3 <title> This is the Access Course </title> 4 </head> 5 <body> 6 <h1>Vanier College</h1> 7 <h2>Fall Semester 2012</h2> 8 <h3>MS Access Course</h3> 9 <p>Microsoft Access allows me to design and create a simple 10 database for insurance data management. 11 What is the difference between Excel worksheet and Access? 12 The main difference is organizing data into related tables for example:</p> 13 14 Client table for storing insurance client information. 15 Insurance_products table for storing products offered by insurance company. 16 Enrollmentclient table for storing the payment made by clients. 17 18 </body> 19 </html></pre>	

- **Specifying a Folder Path**

It is possible to link an HTML file located in a separate folder. The general syntax for Relative path is
folder/file

HTML Code	Preview
<pre> 1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 <h1>Vanier College</h1> 7 <h2>Fall Semester 2012</h2> 8 <hr style="border-top: 1px dashed black;"/> 9 <p> 10 HTML documents have htm or html as an extension such as student.htm or student.html 11 We gonna use Notepad++ to edit HTML documents.</p> 12 <p>What are computerization and personal assets that should 13 be acquired by a student to succeed and perform in her study? 14 Do you have any specific expectations about your long term evolution? </p> 15 <blockquote> 16 <p>I am very excited to be student at Vanier College.</p> 17 <p>The environment is so stimulating for maximizing the learning. Adam Smith.</p> 18 </blockquote> 19 </body> 20 </html> </pre>	

2. Linking to Locations within Documents

- **Using the id attribute** to reference each section: It is possible to link sections within the same HTML document if your web page is lengthy requiring the user to scroll through the document. Name the section A, B, C, D, E, F,...within the HTML document **student.htm**

```

1 <html>
2   <head>
3     <title> This is the title of my web page</title>
4   </head>
5   <body>
6     <h1>Vanier College</h1>
7     <h2>Fall Semester 2012</h2>
8     <hr style="border-top: 1px dashed black;"/>
9     <hr style="border-top: 1px dashed black;"/>
10    <hr style="border-top: 1px dashed black;"/>
11    <p>Section A</p>
12    <dl>
13      <dt>HTML and <i>Internet</i> Programming</dt>
14      <dd>Learn how to Develop Web Site</dd>
15      <dt>Analysis of The Work Function & Communication</dt>
16      <dd>Basic of Communication at work place</dd>
17      <dt>Association of Law Notions to the Professional Practice</dt>
18      <dd>Key Elements of Law </dd>
19    </dl>
20    <hr style="border-top: 1px dashed black;"/>
21  </body>
22 </html>

```

- **Linking to an id**

The screenshot displays a web development environment with two panes: 'HTML Code' and 'Preview'.

HTML Code Pane: The code is for a file named 'student.htm'. It includes a title 'This is the title of my web page'. The body contains a header with 'Vanier College' and 'Fall Semester 2012', followed by links to 'Course List' and 'MS Access Course'. A red 'Glossary' section follows, containing four sections (A, B, C, D). Each section is a table with two columns: a term and its definition. Section A includes terms like 'HTML and Internet Programming' and 'Learn how to Develop Web Site'. Sections B, C, and D follow a similar pattern.

Preview Pane: The rendered page shows the title 'This is the title of my web page'. The header displays 'Vanier College' and 'Fall Semester 2012' in large, bold fonts. Below the header are links for 'Course List' and 'MS Access Course'. The 'Glossary' section is prominently displayed in red. It contains four sections (A, B, C, D), each with a table of terms and definitions. The tables are styled with a light blue background and black text.

- **Creating Links between Documents:**


To create a link to a specific location in another file, the general syntax

`content`

HTML Code	Preview
<pre> 1 <html> 2 <head> 3 <title> This is the Course List</title> 4 </head> 5 <body> 6 <h1>Vanier College</h1> 7 <h2>Fall Semester 2012</h2> 8 <h3>Course List</h3> 9 Section D in the Glossary Document student 10 11 HTML and Internet Programming 12 Analysis of The Work Function & Communication 13 Application of Marketing & Sales Notions 14 Association of Law Notions to the Professional Practice 15 Creating Wealth 16 International Business 17 18 </body> 19 </html> </pre>	<p>This is the Course List</p> <h2>Vanier College</h2> <h3>Fall Semester 2012</h3> <h4>Course List</h4> <p>Section D in the Glossary Document student</p> <ol style="list-style-type: none"> 1. HTML and Internet Programming 2. Analysis of The Work Function & Communication 3. Application of Marketing & Sales Notions 4. Association of Law Notions to the Professional Practice 5. Creating Wealth 6. International Business
<pre> 1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 <h1>D</h1> 7 <h2>Section D</h2> 8 <h3>HTML and Internet Programming</h3> 9 <h4>Learn how to Develop Web Site</h4> 10 <h4>Analysis of The Work Function & Communication</h4> 11 <h4>Basic of Communication at work place</h4> 12 <h4>Association of Law Notions to the Professional Practice</h4> 13 <h4>Key Elements of Law</h4> 14 </body> 15 </html> </pre>	<p>This is the title of my web page</p> <h1>D</h1> <h2>Section D</h2> <h3>HTML and Internet Programming</h3> <h4>Learn how to Develop Web Site</h4> <h4>Analysis of The Work Function & Communication</h4> <h4>Basic of Communication at work place</h4> <h4>Association of Law Notions to the Professional Practice</h4> <h4>Key Elements of Law</h4>

3. Working with Linked Images

- It is possible to turn an image (for example logo) into a hypertext link pointing to the home page. To make an image as a hypertext link, you enclose the `` tag within a set of `<a>` tags as follows: ` `

HTML Code	Preview
<pre> 1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 7 8 9 Course List 10 MS Access Course 11 12 <h1 style="color: red">Glossary</h1> 13 <p> 14 [A] [B] [C] 15 [D] [E] [F] 16 </p> 17 18 <h2 id = "A">A</h2> 19 <p>Section A</p> </pre>	<p>This is the title of my web page</p>  <h2>Vanier College</h2> <h3>Fall Semester 2012</h3> <p>Course List MS Access Course</p> <h2 style="color: red;">Glossary</h2>

- **Image Maps:** It is possible to turn an inline image (for example logo) into a hypertext link pointing to different areas called **hotspots**. To define a hotspot, you enclose the **<area>** tag after a set of **** tags as follows:

HTML Code	Preview
<pre> 1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 7 8 9 <map> 10 <area href="#" alt="Home" /> 11 <area href="#" alt="Vanier Courses" /> 12 <area href="#" alt="Glossary A for Courses" /> 13 </map> 14 15 <h1>Vanier College</h1> </pre>	

4. Linking to Resources on the Internet

- Linking to an URL (Uniform Resource Locator) for example www.vaniercollege.qc.ca
To link to Vanier Web Site, you would enter the following code:

student.htm
<pre> 1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 7 <h1>Vanier College</h1> 8 <h2>Fall Semester 2012</h2> 9 Course List 10 MS Access Course 11 12 <h1 style="color: red">Glossary</h1> 13 <p> 14 [A] [B] [C] 15 [D] [E] [F] 16 </p> 17 18 <h2 id = "A">A</h2> </pre>

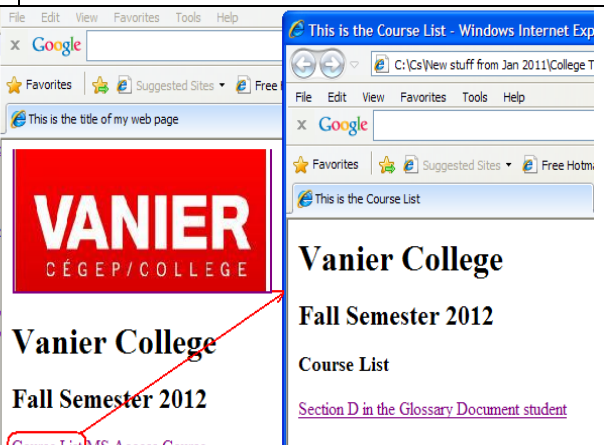
- Linking to an Email Address

student.htm	Preview
<pre> <html> <head> <title> This is the title of my web page</title> </head> <body> <h1>Vanier College</h1> <h2>Fall Semester 2012</h2> Course List MS Access Course <p> if you have any question email us to Contact me </p> <h1 style="color: red">Glossary</h1> <p> [A] [B] [C] [D] [E] [F] </p> </pre>	

5. Working with Hypertext Attributes


- **Opening a secondary Window**

It is possible to open multiple browser windows or tabs within the same browser window by adding the **target attribute** to the <a> tag.

HTML Code	Preview
<pre>1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 <img src="Nwlogo 7 <h1>Vanier College</h1> 8 <h2>Fall Semester 2012</h2> 9 Course List 10 MS Access Course 11 <p> if you have any question email us to <a href="mailto: 12 <h1 style="color: red">Glossary</h1> 13 <p> 14 [A] [B] [C] 15 [D] [E] [F] 16 </p> 17</pre>	

- **Creating Tooltip**

In case you want to provide additional information about a link on your Web Page, you can add a tooltip to the link by adding the title attribute to the opening tag <a> as shown hereafter.

HTML Code	Preview
<pre>1 <html> 2 <head> 3 <title> This is the title of my web page</title> 4 </head> 5 <body> 6 7 <h1>Vanier College</h1> 8 <h2>Fall Semester 2012</h2> 9 Course List 10 MS Access Course 11 <p> if you have any question email us to Con 12 <h1 style="color: red">Glossary</h1> 13 <p> 14 [A] [B] [C] 15 [D] [E] [F] 16 </p> 17 18 <h2 id = "A">A</h2></pre>	

6. Working with Metadata

- **Using the Meta Element**

You can add metadata information to your web pages in order to be noticed on the web and added to search engine indices. The syntax of the meta element is
<meta name="text" content="text" scheme="text" http-equiv="text"/>

```
<head>
  <meta name="text" content="text" scheme="text" http-equiv="text"/>
  <title> This is the title of my web page</title>
</head>
```


HTML Code	
student.htm	<pre> 1 <html> 2 <head> 3 <meta http-equiv="refresh" content="60" /> 4 <title> This is the title of my web page</title> 5 </head> 6 <body> 7 <link title="Top" href="courselist.htm"/> 8 <link rel="help" href="vaniercourses/msaccess.htm"/> 9 10 11 12 </pre>

- **Using the http-equiv Attribute**

- For refreshing the web pages automatically upon specifying a given timer. The syntax of the meta element is
`<meta http-equiv="refresh" content="60" />`
- For redirecting the site to new address. The syntax of the meta element is
`<meta http-equiv="refresh" content="5; url=http://www.vaniercollege.qc.ca" />`
- For specifying the character set used by the document. The syntax of the meta element is
`<meta http-equiv="refresh" content="text/html; charset=ISO-8859-15" />`

HTML Code	
student.htm	<pre> 1 <html> 2 <head> 3 <meta http-equiv="refresh" content="60" /> 4 <title> This is the title of my web page</title> 5 </head> 6 <body> 7 <link title="Top" href="courselist.htm"/> 8 <link rel="help" href="vaniercourses/msaccess.htm"/> 9 10 11 12 <h1>Vanier College</h1> 13 <h2>Fall Semester 2012</h2> 14 15 Course List 16 17 MS Access Course </pre>