


## Making Websites - An Introduction to HTML

View the starter website by opening the “Kids\_Tech\_U” folder then double clicking “index.html”

- Switch back to the folder (using “Alt” + “Tab”) when you are done looking at the site

### 1 Edit the text on the website.

- Right click "index.html" and “open with gedit”, an editing tool.
  - This is the website file. Websites come with specific extensions (the part of the file name after the period) which tells the computer what format the file is in so it knows what program to open it with. In this case html (hypertext markup language) will get shown using a web browser (Internet Explorer, Chrome etc.).
- First, change the background color of the website.
  - To do this put a color in between the quotes “” next to bgcolor.
  - bgcolor stands for background color.
  - Example: `<body bgcolor="yellow">`
    - Choose any color like red, blue, green, pink ...
- Next change page heading by changing the text in between `<h1>` and `</h1>`.
  - h1 stands for heading #1.
  - Example: `<h1>KTU</h1>`
- NOTE: The things inside `<` and `>` are called tags. so `<h1>` is a “heading 1 tag”. Tags do not show on websites but tell the web browser what to show. Many tags (but not all) need an opening tags `<h1>` and a closing tag `</h1>` so the web browser knows where to start doing the tag (like showing a heading) and when to stop doing the tag.
- Tell us about your favorite thing in the paragraph area by changing the text in between `<p>` and `</p>`.
  - p stands for paragraph.
  - Example: `<p>I am learning how to make a website.</p>`
- Save the file (use the save button at the top of gedit) then minimize the file.
  - You can only see the file in a web browser after it is saved.
- Switch to your website in firefox, and refresh  it so it loads your changes.

### 2 Add an image. (falling image maybe too much code?)

- Switch to "index.html" in gedit
- Decide where you would like a picture, then add an image tag using the following code:
  - ``
- NOTE: image tags do not need ending tags like many of the other tags you see.
- You can change the image to **cat**, **dog**, **java-script**, **minecraft1**, **minecraft2**, **penguin** or **snowman** as those are the images we have in the “pics” folder.
- Save the file, then switch to and refresh your website in firefox.

### 3 Style your text

- You can change the way your text shows. Add or edit some of the text you put in your paragraph (between the paragraph tags) and edit it.
- Switch to "index.html" in gedit
- Some text style choices:
  - Change the color by adding font tags around the words you want to change
    - Example: `<font color="red">This will be red.</font>`
  - Change the size by adding font tags around the words you want to change
    - Example: `<font size="3">This will be big.</font>`
    - you can combine attributes of the font tag like this:
      - Example: `<font color="red" size="3">This will be big and red.</font>`
  - Make it **bold** by adding bold tags
    - Example: `<b>This will be bold.</b>`
  - Make it underlined by adding underline tags
    - Example: `<u>This will be underlined.</u>`
  - Make it *italicized* by adding italic tags
    - Example: `<i>This will be italicized.</i>`
- Now that you know the basics of html, personalize this page by adding something unique about yourself like something you are interested in (music, sports, or an accomplishment) that you would like to share.
- Save the file, then switch to and refresh your website in firefox.

### 4 Make some text scroll across the screen.

- Switch to "index.html" in gedit
- We are going to update the script area, this allows you to have text scrolling across your webpage. Put a few words between the quotes " next to **var** fast\_marquee\_Text.
  - Example: `var fast_marquee_Text = 'scrolling text';`
- You can have it go right to left, or left to right, or top to bottom, or bottom to top! Put the direction you want the text to head toward in the quotes " next to var ltr\_marquee\_Direction (right, left, up, down)
  - `var ltr_marquee_Direction = 'right';`
- Save the file, then switch to and refresh your website in firefox.

### 5 Save your website with a new name

- Close ("x") firefox and gedit
- Right click and rename your index.html file to index-firstname-lastinitial-favoritenumber.html
- Double click "**Publish.sh**" icon on the top of the desktop, then click the "Run" button when prompted to publish your site.

Double click "Reset All" on the bottom of the desktop to clear the laptop for the next person.

Your website [http://letscodeblacksburg.org/KTU2015/index\\_\\_\\_\\_\\_](http://letscodeblacksburg.org/KTU2015/index_____).html

Get directions on how to save and locally edit your site here: <http://letscodeblacksburg.org/KTU2015/docs/>

View all sites from today here: <http://letscodeblacksburg.org/KTU2015/>

Learn more about HTML and Javascript at <http://www.w3schools.com/>