Faculty of Science, Engineering and Technology

Interface Design and Development

Pass Task 1.2: Hello World

Overview

As a first step, create the classic “Hello World” web page. This will help ensure that you have all of the software installed correctly, and are ready to move on with creating web applications.

Purpose: Install and test the tools needed to get started.

Task: Create your own Hello World web page.

Time: This task should be completed in your first lab class and submitted for feedback before the start of week 3.

Resources:

- Brackets code editor http://brackets.io/
- Chrome browser https://www.google.com/chrome/

Submission Details

You must submit the following files:

- Hello World source code (helloworld.html)
- Screenshot of the code in brackets displaying code and the green check.
- Screenshot of the browser displaying the result of the hello world web page and the complete file path.

Make sure that your task has the following in your submission:

- The Hello World is HTML5 compliant.
- Web page is rendered accordingly.

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Instructions

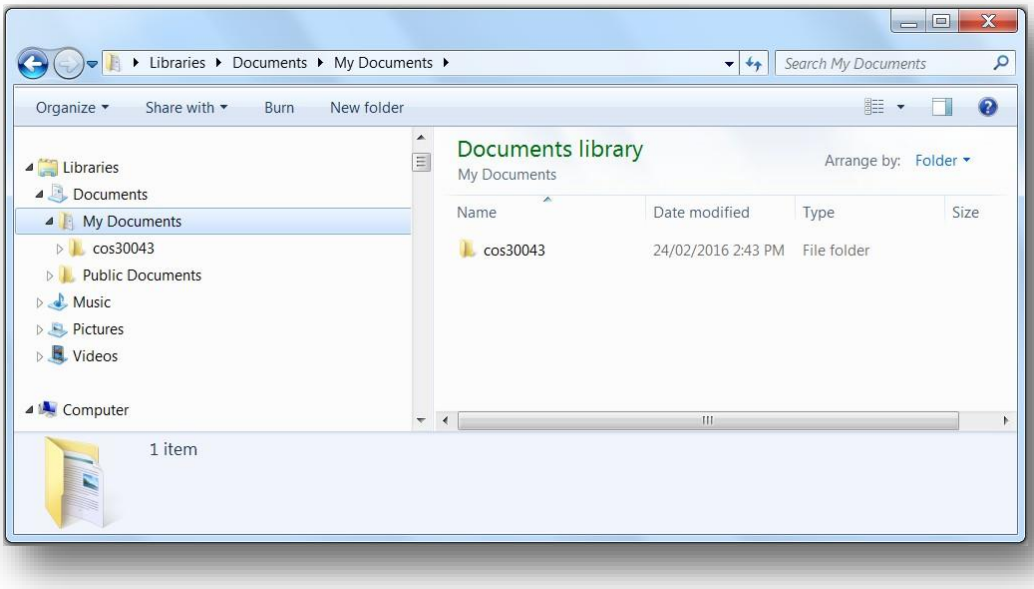
The first task includes the steps needed for you to install the tools you will need in this unit. You will then use these tools to create the 'Hello World' web page.

1. Download and install the tools you need to get started. Ensure that you have:
   - Installed Brackets (http://brackets.io/)
   - Installed Chrome browser (https://www.google.com/chrome/)

Note: You can also use other text editor such as Notepad++, which is already installed in the Swinburne lab. Chrome is currently the only browser supported by Brackets' Live Preview function.

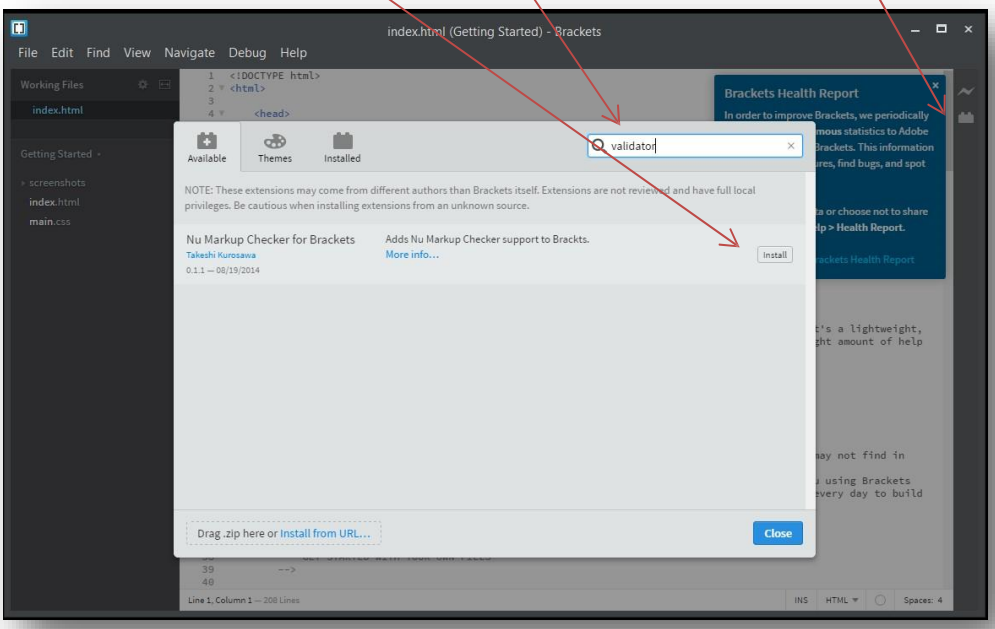
Tip: You can also set up your personal web server for your work.

2. If you don't already have one, make a directory (i.e., a 'folder') to store your code (e.g. 'My Documents/cos30043'). On a Swinburne computer you may wish to use a directory on your student drive or a USB storage device.
   - Navigate to your 'My Documents' directory in Finder or File Explorer
   - Right click in the 'My Documents' directory and select 'New Folder', name it 'cos30043'

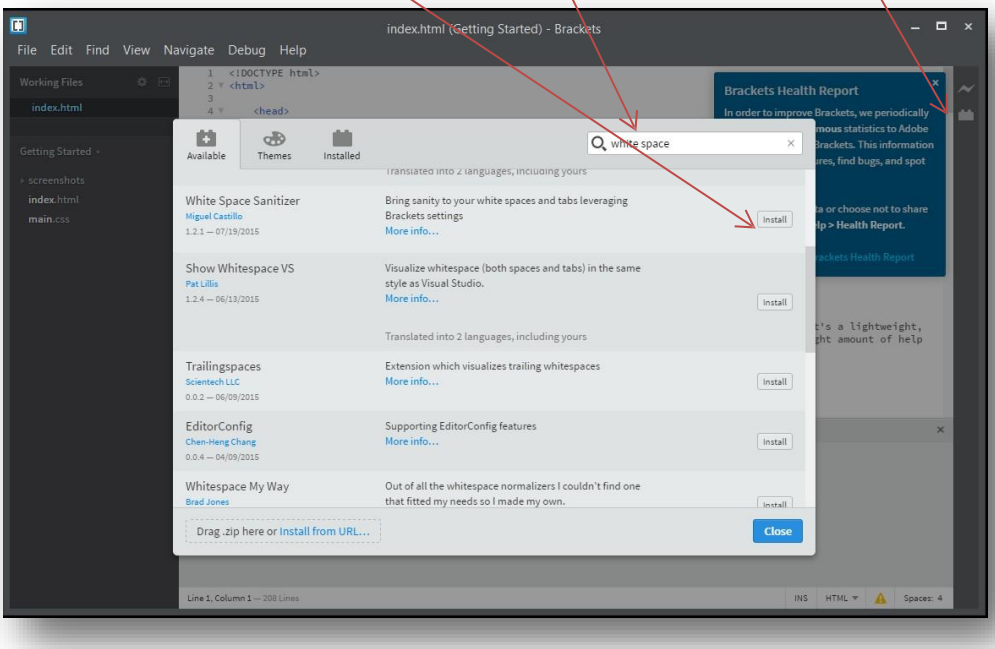


Tip: You can create sub-folders for each lab such as 'lab01' inside 'cos30043' to facilitate file organisation.

3. Open Brackets and install the NU Markup checker extension.
    - Click on Extension
    - Type ‘validator’ into the search box
    - Locate then click install

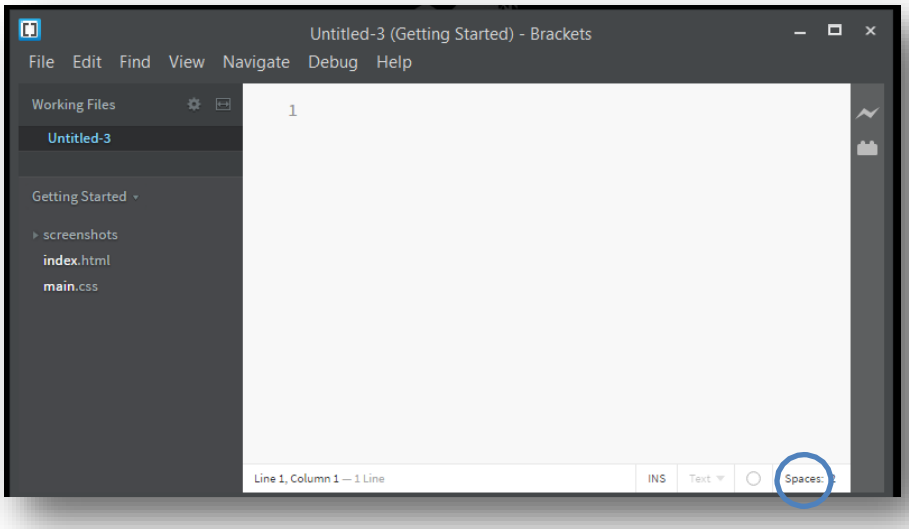


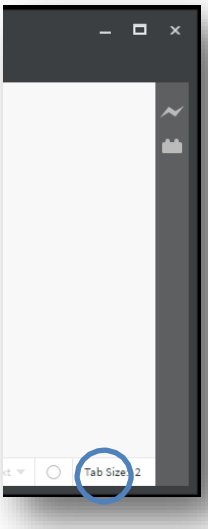
4. Continue and install the White Space Sanitizer and Visualiser extensions.
    - Click on Extension
    - Type ‘white space’ into the search box
    - Locate then click install



Note: You can either install ‘Show Whitespace VS’ or ‘Show Whitespace’

5. Create a new file and choose between ‘Space’ or ‘Tab’.

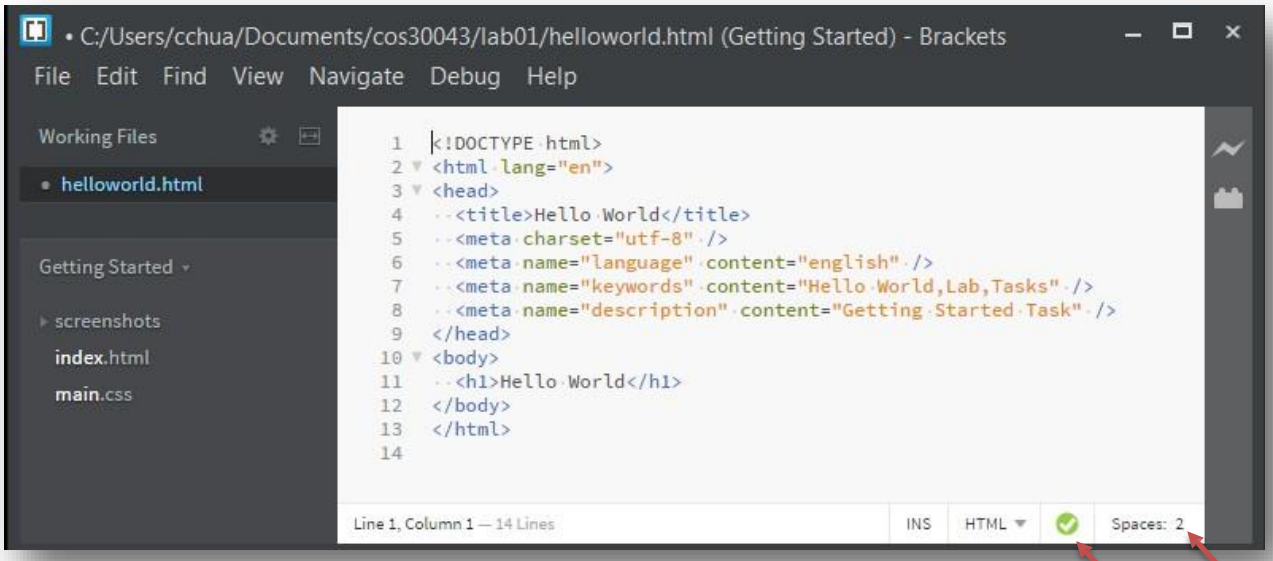




Note: ‘Space’ means the tab key will insert the *x* number of spaces, in the sample above it will be 2 spaces for each tab key, while ‘Tab’ inserts the tab character.

In practice, ‘Tab’ is used as it only requires 1 byte for each tab, whereas ‘Space’ requires *x* bytes. However, tab are displayed as 8 spaces in some editors.

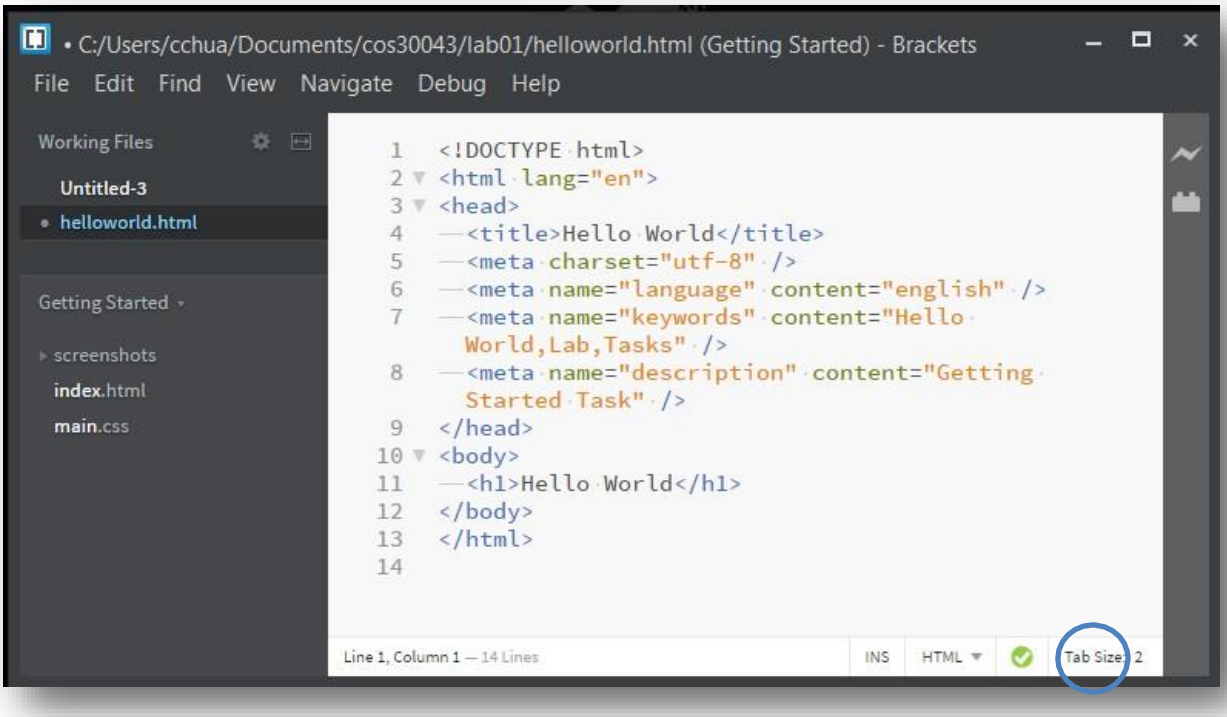
6. Enter the code for the Hello World program. Using ‘Space’, it should appear as:



Note: Brackets will highlight parts of your code in different colours once you save it as .html file. Look for the green check mark to indicate HTML5 compliance.

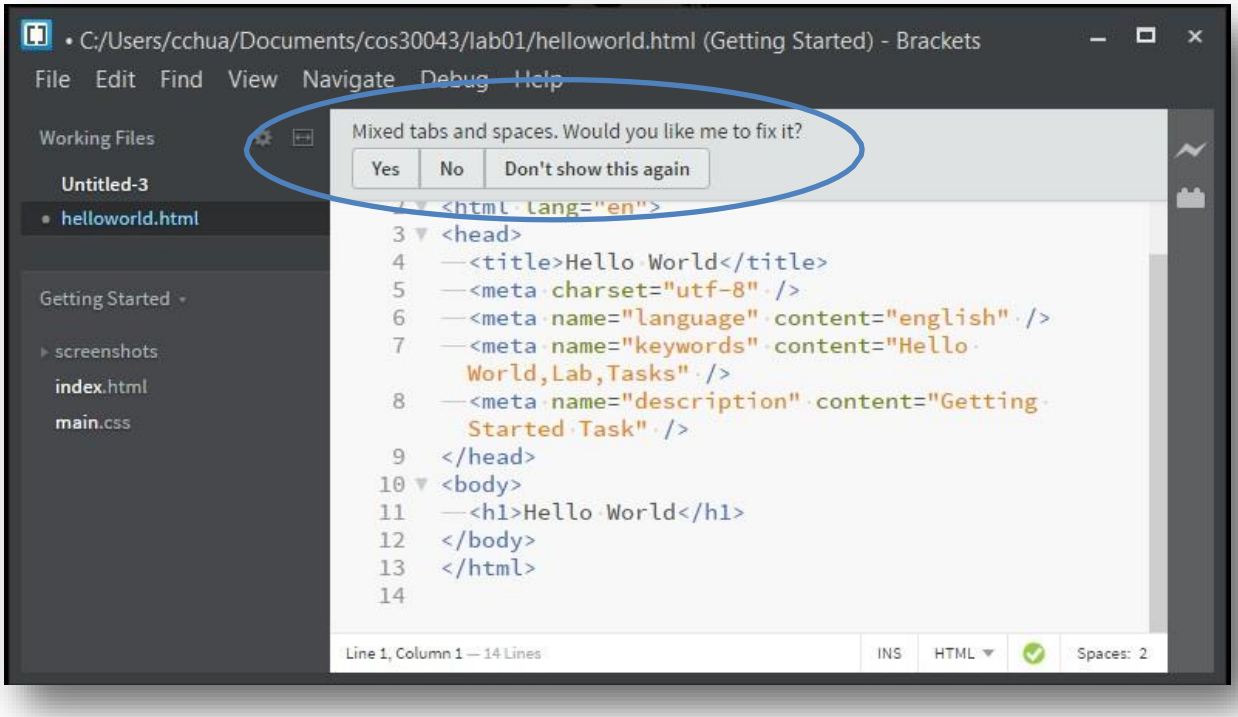
Tip: You can change the tab spacing by change the number of spaces.

Using 'Tab', it should appear as:



Note: White Space extension shows space as dots • and tab as dash –

Tip: To toggle between 'Space' and 'Tab' click 'Spaces' or 'Tab Size'.

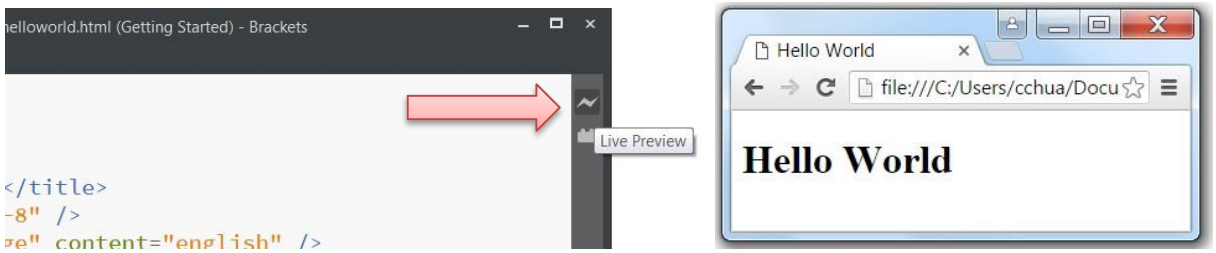


Tip: White Space Sanitizer extension helps you convert spaces to tabs and vice versa.

7. Save the file as 'helloworld.html' in your directory.

> **Note:** The html file will be interpreted and rendered into a webpage when open by a browser.

8. Click on the Live Preview icon to view the web page.



9. Take a screenshot of the browser displaying the result of the hello world web page and the complete file path.

10. Upload your completed Hello World code and the screenshot to Canvas.

11. Now, remember to save the document and backup your work to multiple locations!

- Once you get things working you do not want to lose them.
- Work on your computer's storage device most of the time... but backup your work when you finish each task.
- Use Dropbox or a similar online storage provider, as well as other locations.
- Canvas is not a Backup of your work, so make sure you keep a copy!
- A USB keys and portable hard drives are good secondary backups... but can be lost/damaged (do not rely upon them).

You now have your first portfolio piece. This will help demonstrate your learning from the unit.

> **Note:** This is one of the tasks you need to submit to Canvas. Check the assessment criteria for the important aspect that your tutor checks.