School of
Science

ECU
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Scripting Languages: Workshop 7

Watch the nine (9) sed demonstration videos
These videos demonstrate how to use sed to parse text in a meaningful ways.

Prepare to do workshop tasks

- Log into your Ubuntu Virtual Machine, and complete the tasks below

- To complete these tasks you will need a copy of the `inputfile.html` file, which you can use the Firefox browser in your Ubuntu Virtual Machine to download from Blackboard. It is contained in *exercise_file.zip*

- Ensure that all of the script you write are fully commented to clearly explain their functionality at every step

Task 1

1. Write a script named `txtproc.sh` that automates the process of updating a html file to remove legacy tags and make other changes to meet specific requirements

2. To develop and test your script, use the `inputfile.html` file

3. Ensure your script uses **sed** to achieve the following outcomes:

   a. Converts instances of `<b>` to `<strong>` and `</b>` to `</strong>`

   b. Converts instances of `<i>` to `<em>` and `</i>` to `</em>`

   c. Corrects the misspelling `kernal` to `kernel` in all cases

   d. Converts all instances of `http` to `https`

   e. Pushes each new paragraph `<p>` to a new line

   f. Converts each each instance of `<p>` to `<p style="standardtext">`

   g. Write the processed text to a file named `inputfile_u.txt`

4. If you encounter an error, read the error message printed to the terminal carefully and attempt to resolve the issue and run the `txtproc.sh` script again or ask your tutor for assistance

Close Down (Important)

1. Close *VS Code*

2. Close any other applications you have open on your Ubuntu Virtual Machine

3. Close the Remote Desktop connection to your Ubuntu Virtual Machine

4. Return to the Azure Labs webpage and **stop** your Ubuntu Virtual Machine by clicking the Start/Stop toggle button

5. Once your Ubuntu Virtual Machine has been stopped , you can then sign out of your Azure Labs account