**UNIX Practice Lab**

This lab is to allow you practice submitting in the UNIX environment and to practice some practical commands.

1. In Brightspace by D2L - ReplaceText.java
   1. Download the ReplaceText.java file and the AllHailtoSFA.txt file
   2. transfer the files to the cs server (using FileZilla/WinSCP)
   3. compile the file on the cs server
      1. javac ReplaceText.java
   4. run the programon the cs server
      1. java ReplaceText sourceFile oldString newString
      2. Example run of the program where oldStr is StephenFAustin and newStr is any other word
         1. java ReplaceText AllHailtoSFA.txt new.txt StephenFAustin CSCI
   5. submit the file to the csci2302-001 account
      1. submit csci2302-001 ReplaceText.java
2. Creating directories/folders & changing directories/folders
   1. Make a directory – or folder – labeled Labs
      1. mkdir Labs
   2. Change to that directory
      1. cd Labs
   3. Change to the home directory
      1. cd or cd~
   4. FYI: . (dot) means the current directory, .. (dot dot) means the parent directory
3. Listing or displaying all the contents of a directory
   1. ls displays contents
   2. ls -a displays all contents (including hidden ones)
4. copying a file on the cs server
   1. format: cp sourceFile destinationFile
      1. copies a file, the sourceFile, to the destinationFile; if the destinationFile does not exists, it is created
   2. format: cp sourceFile sourceFile directoryName
      1. copies files, the sourceFile(s) to the directoryName
   3. format: cp -R sourceDirectory DestinationDirectory
      1. Recursively copies all the files from the sourceDirectory to the destinationDirectory
   4. format: cp \*.txt destinationDirectory
      1. copies all files ending with the extension txt to the destinationDirectory
   5. example: cp ../instr/ ReplaceText.java .
   6. example: cp ReplaceText.java ~
5. To remove a file
   1. format: rm filename.extention
   2. example: rm ReplaceText.java
6. on the cs server - ReplaceText.java
   1. Download the files ReplaceText.java and AllHailtoSFA.txt
   2. Compile and run the program where oldStr is StephenFAustin and newStr is any other word
   3. Example:
      1. java ReplaceText sourceFile targetFile oldStr newStr
      2. java ReplaceText AllHailtoSFA.txt new.txt StephenFAustin CSCI