

CS 111

SSH Review, Directories, an Editor, File Transfer

Mars server

- Using Terminal on a Mac or SmarTTY on Windows you can remote into a Queens College computer, the Mars server
- This computer has various programs on it that you will use to write and run your computer programs

Mars server

- The Mars server runs the Unix operating system
- There are certain keyword you can use to create directories, navigate around the file system, launch applications and create files

Linux commands

- `cd [folderName]` - Change the current directory
- `cd ..` - Go up one level in the directory structure
- `ls` - List the files in the current directory
- `mkdir [folderName]` - create a new folder
- `pwd [fileName]` - print the path of the current directory
- `rm [fileName]` - Delete a file
- `rmdir [folderName]` - Delete an empty folder
- `mv [source path/file] [destination path/file]` – Move or rename a file

Vi editor

- Linux-based text editor
- Instructions for creating, editing and saving a file in vi are here:

<https://venus.cs.qc.cuny.edu/~rschley/vi.html>

File transfer – Mac users

- Open Terminal. Navigate in Terminal (using Linux commands) to the folder you want to download to/upload from
- Type `sftp [username]@mars.cs.qc.cuny.edu` and press Enter
- Enter your password when prompted
- Use `get` command to download, `put` command to upload

File Transfer - Windows

- To download, right-click on the file in the left-hand panel of SmarTTY and choose “Download”
- To upload, drag and drop files from Windows Explorer to the left-hand panel of SmarTTY