Name:

On Pre-flights:

- If you work with anyone else, document what you worked on together.

- If you are not using python, then substitute your language of choice when Python is specified.

Do not write in the table to the right.

Problem	Points	Score
1	19	
2	8	
3	4	
4	4	
5	6	
6	4	
Total:	45	

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1. (a) (2 points) What is the difference between absolute and relative paths?

   (b) (1 point) What command can you use to find where you currently are in the directory structure?

   (c) (1 point) What is the command to change directories?

   (d) (1 point) What is the command to take you back to your home directory, regardless of where you are in the directory structure?

   (e) (1 point) What is the command to take you up to your parent directory?

   (f) (1 point) What is the command to see what files are in the current directory?

   (g) (1 point) What is the command to create a directory?

   (h) (3 points) What are two different text editors? Which do you prefer?

(i) (1 point) What is the command to remove a file?

(j) (1 point) What is the command to remove a directory?

(k) (1 point) What is the command to remove a directory and its sub-directories?

(l) (1 point) How would I remove all .py files from a directory?

(m) (4 points) How would I find out what options ls has? Describe what the -a, -l, and -h options do.

2. (8 points) From a Linux terminal:
   - Create a directory @ /NENG685/PF/PF6
   - Create a file name pf6.txt
   - In the file write: "This is how you create and edit a file."
   - Save the file

Submit a screenshot of the current working directory path and the contents of that

directory.

3. (4 points) From a Linux terminal:

- Create a directory @ /NENG685/PF/PF7
- Copy pf6.txt from /NENG685/PF/PF6 to /NENG685/PF/PF7

Submit a screenshot of the current working directory path and the contents of that directory. Make sure the commands required for the two steps are captured in the screenshot.

4. (4 points) From inside the Linux terminal, what commands do we use to log in to another remote machine? To transfer files to that machine? For this example, use enplab01.afit.edu.

5. (a) (2 points) What is an environment variable?

(b) (2 points) Where are these saved so that they are loaded upon user login?

(c) (1 point) What is an alias?

(d) (1 point) How do I update my environment variables after editing my .bashrc so that they take effect in the *current* terminal window?

6. (4 points) Log in to pbs-afit-l01 and do the following:

- Copy the example_bashrc file from /apps/enp/transport/work to your home directory as .bashrc.
- Navigate to /apps/enp/transport/work/<your user name>

Submit a screenshot of the the contents of your home directory (showing the new .bashrc) and the contents of your personal directory in transport.