In-Class Exercise 2

This exercise is for you to review the lesson. Therefore, it is your responsibility to search the slides, research on the Web, or ask around when coming across terms or requests that you are not familiar with.

For action request below, find corresponding shell command(s) that accomplish the action in the provided space. Follow the requests one by one from top to bottom and do not skip any step so that you can compare the answers with classmates. All commands needed to complete this worksheet will be covered in the lecture.

When you finish each part in this worksheet, compare you answers with a classmate's and help each other identify correct solutions. Of course, there can be more than one correct solutions, and often there will be solutions that are better than others.

Part I: Basic Shell Commands

No.	Action	Shell Command(s)
1	Log into syskill.	ssh syskill
2	Change to the root directory. Use at most four characters only, including a blank space.	را /
3	Display the name of the current working directory to check if it is actually the root.	pwd
4	Change into your home directory. Use four characters only, including a blank space.	ر کا ~
5	Display the name of the current working directory to check if it is actually your home directory. Otherwise, the following commands may not work.	λ ₅ -λ~
6	Create a file called first.txt.	touch first txt
7	Check if the file is created by listing files in the working directory.	e- 2
8	Rename the file to second.txt.	my Post.txt second.txt
9	Make a copy of second.txt and call it copy.txt.	cp second.txt cpp copy.txt
10	Create a folder called questions.	mkdir questions
11	Move copy.txt to folder questions using a relative path.	mu copy. txt questions
12	Change the directory to the questions folder.	cd questions

No.	Action	Shell Command(s)
13	Create a file called file1.txt.	touch file1.txt
14	Create a file called file2.txt.	touch filez.txt
15	Go back a directory.	cd
16	Make a copy of the questions folder, and call it questions_copy.	cp - R questions questions copy
17	Change into the questions folder again.	cd questions
19	List only files starting with the text "file" using the short format.	ls -d fale*
18	While still in the questions folder, remove the file file2.txt from the questions_copy directory using the absolute path.	rm ~/questions_copy/file2.txt
20	Change into the questions_copy directory using only one command (one line in the other words).	cd ~ /questions copy
21	List the file to see if the file file2.txt is actually gone. Then, change back a directory.	ls -2
22	Remove the questions_copy directory using the relative path.	rm -R questions_copy
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Part II: Another Bunch of Shell Commands

No.	Action	Shell Command(s)
1	Make sure you are in your home folder.	pwd
2	Redirect the output of the long file listing of the current directory into listing.txt in the questions folder using the relative path.	ls > listing, txt
3	Display the content of this new file listing.txt.	le > listing. txt cot listing. txt groups groups
4	Display lines(s) in listing.txt that contains the string "drw".	grep 'drw' listing tat
5	Find out which group(s) you belong.	groups

No.	Action	Shell Comma	nd(s)
	Display the current permission of the file listing.txt. (You may see the permission of other files in the same folder, too.)	l, l	listing. Ext
7	Remove the permission of the group to read and write the file listing.txt.	chmod	g-x listing.txt

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Part III: Copying Files Between Hosts

No.	Action	Shell Command(s)
1	Close you connection to syskill.	
2	Copy the questions folder on syskill to your local home folder.	30:/home/u6280004/fuest;ons/* ~
3	Copy any file in your local folder (other than those in the questions folder) to your home folder on syskill.	Scp ~/hi.txt 6280004@syellies.ng.
M .C		10:/hone/u6280004/

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Part IV: Passwordless Login

No.	Action	Shell Command(s)
0	Stay in your local terminal.	
1	Generate a SSH key pair using the command on the right. Press <enter> at any prompt coming up during the generation.</enter>	ssh-keygen -t rsa -b 4096
2	Make sure that the directory .ssh exists in your Syskill home folder. Otherwise, create one.	lς - δ
3	Append id_rsa.pub to the server's authorized_keys located at: ~/.ssh/authorized_keys	
4	Now try to connect to syskill. You should not be promoted for password this time.	ssh syskill

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