# **In-Class Exercise 2**

This exercise is for review the lesson. Therefore, is you to your responsibility to search the slides, research on the Web, or around when coming across terms or you ask requests that are not familiar with. action request below, ?ind corresponding shell command(s) For that accomplish the action in the provided space. Follow the requests one by one bottom and from top to do not skip any SO that you step the with classmates. Αll commands needed to can compare answers complete this worksheet will be coveredin the lecture. When you ?inish each this worksheet, compare answers part in you with classmate's and help each other identify correct solutions. Of a course, there can be more than one correct solutions, and often there will better than others. be solutions that are

#### 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 <b>four</b> characters only, including a blank space.	cd /
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 <b>four</b> characters only, including a blank space.	Cd ~
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.	Is -I
6	Create a file called first.txt.	touch first.txt
7	Check if the file is created by listing files in the working directory.	Is
8	Rename the file to second.txt.	mv first.txt second.txt
9	Make a copy of second.txt and call it copy.txt.	cp second.txt copy.txt

10	Create a folder called questions.	mkdir questions
11	Move copy.txt to folder questions using a relative path.	mv 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 file2.txt
15	Go back a directory.	cd
16	Make a copy of the questions folder, and call it questions_copy.	cp -R questions question_copy
17	Change into the questions folder again.	
19	List only files starting with the text "file" using the short format.	Is file*
18	While still in the questions folder, remove the file file2.txt from the questions_copy directory using the absolute path.	rm ~/question_copy/file2.txt
20	Change into the questions_copy directory using only one command (one line in the other words).	cd/question_copy
21	List the file to see if the file file2.txt is actually gone. Then, change back a directory.	
22	Remove the questions_copy directory using the relative path.	rm -R question_copy
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<del></del>		

### Part II: Another Bunch of Shell Commands

No.	Action	Shell Command(s)
1	Make sure you are in your home folder.	

2	Redirect the output of the long file listing of the current directory into listing.txt in the questions folder using the relative path.	Is > listing.txt
3	Display the content of this new file listing.txt.	cat listing.txt
4	Display lines(s) in listing.txt that contains the string "drw".	grep 'drw' listing.txt
5	Find out which group(s) you belong.	groups
No.	Action	Shell Command(s)
No. 6	Display the current permission of the file listing.txt. (You may see the permission of other files in the same folder, too.)	Shell Command(s)  Is -I listing.txt
	Display the current permission of the file listing.txt. (You may see the permission of	

### 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.	cp listing.txt C:\Users\uSeR\Desktop
3	Copy any file in your local folder (other than those in the questions folder) to your home folder on syskill.	cp C:\Users\uSeR\Desktop\test ~\u6280184

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# Part IV: Passwordless Login

No.	Action	Shell Command(s)
0	Stay in your local terminal.	

Generate a SSH key pair using the command on the right. Press <Enter> at any prompt coming up during the generation.

Make sure that the directory .ssh exists in your Syskill home folder. Otherwise, create one.

Append id\_rsa.pub to the server's authorized\_keys located at: ~/.ssh/authorized\_keys

Now try to connect to syskill. You should not be promoted for password this time.

Name: \_\_\_\_\_

Trimester I/2019-2020

SEP.

**ICCS 207** 

Verified by: \_\_\_\_\_ Date: \_\_\_\_\_