Marks 27.33/28.00

Finish review

Grade 97.62 out of 100.00

19 20 21 22 23 24 Question 1 1. Listing files and directories Correct 1.00 points out of ls (list) When you first login, your current working directory is your home directory. Your home directory has the same name as your user-name, and it is where your personal files and subdirectories are saved. To find out what is in your home directory, type 1s at the command prompt, where [(iris) jupyter-[your username]:~>] is the command prompt, like this: (iris) jupyter-[your username]:~> ls NOTE: It is often difficult to tell the difference between lowercase letter I, uppercase letter I, uppercase letter I, and the number 1 in this tutorial. It is a little easier when lowercase letter I, uppercase letter I, and the number 1 in this tutorial. It is a little easier when lowercase letter I, and the number 1 in this tutorial. It is a little easier when lowercase letter I, and the number 1 in this tutorial. It is a little easier when lowercase letter I, and the number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. It is a little easier when lowercase letter I, and number 1 in this tutorial. The 1s command is short for "list" and it lists the contents of your current working directory. What did the system return after you typed the 1s command? Select one: a. No files or directories are listed) b. ∼ c. groupwork/ d. An error message e./home f.1s: Command not found. g. None of these answers is correct h. Several files or directories are listed Marks for this submission: 1.00/1.00. Question 2 1s does not, in fact, cause all the files in your home directory to be listed, but only those ones whose name does not begin with a dot (.) Files beginning with a dot (.) are known as hidden files and usually contain important program configuration information. They are hidden because you should not change them unless you are very familiar with UNIX. To list all files in your home directory including those whose names begin with a dot, type 1.00 points out of 1.00 (iris) <u>jupyter-[your username]</u>:~> ls -a 1s is an example of a command which can take options: -a is an example of an option. The options change the behaviour of the command. (We will discuss this in a bit more detail later). Flag question How many files or directories did you find when you typed 1s -a? Select one: a. 10 or more 🗸 ob. 1 c. 2 d. about 5 e. None Check Marks for this submission: 1.00/1.00. 2. Making Directories Correct 1.00 points out of mkdir (make directory) 1.00 We will now make a subdirectory in your home directory to hold the files you will be creating and using in the course of this tutorial. To make a subdirectory called groupwork in your current working directory type (iris) <u>jupyter-[your username]</u>:~> mkdir groupwork To see the directory you have just created, type (iris) <u>jupyter-[your username]</u>:~> ls Is groupwork listed when you typed ls? Select one: True 🗸 False Check Correct Marks for this submission: 1.00/1.00. Question 4 3. Changing to a different directory Correct 1.00 points out of cd (change directory) 1.00 Flag question The command cd directory means change the current working directory to 'directory'. The current working directory when looking for files on a Windows system. Note: typing cd with no argument always returns you to your home directory. This is very useful if you are lost in the file system. To change to the directory you have just made, type (iris) <u>jupyter-[your username]</u>:~> cd groupwork Type 1s at the command prompt (note that the command prompt changed to show that you are in the **groupwork** directory): (iris) jupyter-[your username]:~/groupwork> ls and it should show you the contents of the **groupwork** directory. What did you find when you typed 1s? Select one: a. Several files are listed b. /home c. No files are listed) d. ~ e. An error message f. groupwork/ g. None of these answers is correct Marks for this submission: 1.00/1.00. Now that you are inside the **groupwork** directory, you need to make another directory inside the **groupwork** directory called **act1** Correct What do you type to make this directory? 1.00 points out of 1.00 Answer: mkdir act1 Flag question Marks for this submission: 1.00/1.00. Question **6** 4. The directories . and .. 1.00 points out of Still in the **groupwork** directory, type (iris) <u>jupyter-[your username]</u>:~/groupwork> ls -a Flag question As you can see, in the **groupwork** directory (and in all other directories), there are two special directories called (.) and (..) In UNIX, (.) means the current directory, so typing (iris) jupyter-[your username]:~/groupwork> cd . NOTE: there is a space between cd and the dot means stay where you are (the groupwork directory). This may not seem very useful at first, but using (.) as the name of the current directory will save a lot of typing, as we shall see later in the tutorial. In UNIX, (..) means the parent of the current directory, so typing (iris) jupyter-[your username]:~/groupwork> cd .. will take you one directory up the hierarchy. Try it now. Where did it take you? Select one: a. Your home directory (where you started when you logged in) 🗸 b. None of these answers is correct c. The act1 directory d. The groupwork directory e. The /home directory Check Correct Marks for this submission: 1.00/1.00. Question 7 5. Pathnames Correct 1.00 points out of pwd (print working directory) 1.00 Flag question Pathnames enable you to work out where you are in relation to the whole file-system. For example, to find out the absolute pathname of your home-directory, type to get back to your home-directory and then type (iris) <u>jupyter-[your username]</u>:~> pwd The full pathname will look something like this which means that jovyan (your home directory) is in the directory home (the directory home (the directory for user files), which is located on the root (/) file-system. Note that your home directory is named jovyan, as opposed to the username! Check out the bottom of this article https://docs.jupyter.org/en/latest/community/contentcommunity.html#what-is-a-jovyan to learn more. Use the commands 1s, pwd and cd to explore the file system. What is the simplest thing to type to return to your home directory as you move around the file system? Answer: cd Marks for this submission: 1.00/1.00. Question 8 6. More about home directories and pathnames Correct 1.00 points out of Understanding pathnames Flag question First type cd to get back to your home directory, then type (iris) jupyter-[your username]:~> ls groupwork to list the conents of your groupwork directory. Now type (iris) <u>jupyter-[your username]</u>:~> ls act1 You will get a message like this ls: cannot access 'act1': No such file or directory The reason is, act1 is not in your current working directory. To use a command on a file (or directory, you must either cd to the correct directory, or specify its full pathname. To list the contents of your act1 directory, you must type (iris) jupyter-[your username]:~> ls groupwork/act1 What do you get when you type that? Select one: a. An error message b. None of these answers is correct) c. ~ d. groupwork/ e. No files are listed f. Several files are listed g./home Correct Marks for this submission: 1.00/1.00. Question **9** ~ (your home directory) Correct 1.00 points out of Home directories can also be referred to by the tilde ~ character. It can be used to specify paths starting at your home directory. So typing (iris) jupyter-[your username]:~> ls ~/groupwork Flag question will list the contents of your groupwork directory, no matter where you currently are in the file system. What do you think (iris) jupyter-[your username]:~> ls ~ would list?

Select one: a. The contents of your groupwork directory b. Nothing c. The contents of the /home directory d. The contents of Mike's home directory e. act1 f. The contents of your home directory Marks for this submission: 1.00/1.00.

	What do you think (iris) jupyter-[your username]:~> ls ~/ would list?
Flag question	Select one: a. act1 b. The contents of the /home directory
	c. The contents of Mike's home directory
	d. The contents of your groupwork directory e. Nothing f. The contents of your home directory
	Check Correct
	Marks for this submission: 1.00/1.00. Accounting for previous tries, this gives 0.33/1.00 .
Question 11 Correct 1.00 points out of 1.00	7. Copying Files cp (copy)
Flag question	
	First, cd to your groupwork directory. (iris) jupyter-[your username]:~> cd ~/groupwork Then at the UNIX prompt, type,
	(iris) jupyter-[your username]:~/groupwork> cp /home/jovyan/iris_data/SSBWFiles/science.txt . (Note: Don't forget the dot (.) at the end. Remember, in UNIX, the dot means the current directory.) The above command means copy the file science.txt to the current directory, keeping the name the same.
	(Note: If you cannot access the file, you can grab a copy of the file here. Just make sure you copy it into your groupwork directory.) After copying the science.txt file to your groupwork directory, you should create a backup of it by copying it to a file called science.bak . What would you need to type to make this backup file?
	Answer: cp science.txt science.bak Check
	Correct Marks for this submission: 1.00/1.00.
Question 12 Correct	8. Moving files
	mv (move) mv file1 file2 moves (or renames) file1 to file2 To move a file from one place to another, use the mv command. This has the effect of moving rather than copying the file, so you end up with only one file rather than two.
	It can also be used to rename a file, by moving the file to the same directory, but giving it a different name. We are now going to move the file science.txt to your act1 directory.
	First, we need to make sure you are in your groupwork directory. What command do we use to identify where you are in the file system? Select one: a. cd
	□ b. ls□ c. pwd
	○ d. cp ○ e. mkdir Check
	Correct Marks for this submission: 1.00/1.00.
	Then, inside the groupwork directory, type (iris) jupyter-[your username]:~/groupwork> mv science.txt act1/.
1.00 points out of 1.00	If the mv command has worked correctly, which of the following commands would show the science.txt file? Select one:
	 a. Is b. Is act1 ✓ Correct, this is the only correct answer because the science.txt no longer exists in the groupwork directory, only the act1 subdirectory c. Is groupwork/science.txt
	○ d. Is science.txt ○ e. Is groupwork
	Correct Marks for this submission 4 00/4 00
	Marks for this submission: 1.00/1.00. Since we should try to keep our files together for this first group activity, go ahead and move the science.bak file into your act1 directory too. What command would you type to make that happen?
Correct	Select one: a. mv science.bak act1/. ✓
₩ Flag question	b. cp science.txt groupwork/act1/. c. cp science.bak act1/. d. cp science.bak groupwork/act1/.
	e. mv science.bak groupwork/act1/. f. mv science.txt act1/.
	Correct Marks for this submission: 1.00/1.00.
Question 15	INGINE OF THE SUBTRISSION. 1.00 1.00.
Correct 1.00 points out of 1.00	9. Removing files and directories rm (remove)
	To delete (remove) a file, use the rm command. As an example, we are going to create a copy of the science.txt file then delete it. Inside your groupwork directory, type (iris) jupyter-[your username]:~/groupwork> cp act1/science.txt tempfile.txt
	Then to check if this created the file, type (iris) jupyter-[your username]:~/groupwork> ls Then to delete the file, type
	(iris) jupyter-[your username]:~/groupwork> rm tempfile.txt Then to check if this has deleted the file, type (iris) jupyter-[your username]:~/groupwork> ls
	Note: We have to be careful when using the remove command because there is no Recycle Bin in UNIX. When you remove a file, it is gone for good. Always think twice before removing something. What command would you type to remove the science.bak file inside the act1 directory?
	Select one: a. rm groupwork/act1/science.bak b. rm act1/science.bak tempfile.txt
	○ c. cp science.bak tempfile.txt
	O d. rm science.bak
	 ● e. rm act1/science.bak ✓ ○ f. cp act1/science.bak tempfile.txt
	● e. rm act1/science.bak
Question 16	© e. rm act1/science.bak ✓ ○ f. cp act1/science bak tempfile.txt Check Correct Marks for this submission: 1.00/1.00.
Question 16 Correct 1.00 points out of 1.00 Flag question	© e. m act // science.bak √ ∫. f. op act // science.bak tempfle.txt Check Correct Marks for this submission: 1.00/1.00. rmdir (remove directory) You can use the rmdir_command to remove a directory, but UNIX will not let you remove a non-empty directory. Try the following command to remove the act! directory (if is) // universe // yourse issurance [1 - // grouppooks) reduir act.]
Question 16 Correct 1.00 points out of 1.00 Flag question	© e. m act1/science.bak ✓ ○ t. op act1/science.bak lempflie bct Creack Carnet Marks for this submission: 1.00/1.00. midir (remove directory) You can use the redir command to remove a directory, but UNIX will not let you remove a non-empty directory. Try the following command to remove the act1 directory What happened when you entered that command? Select one:
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Question 20 Correct	tail
1.00 points out of 1.00	The tail command writes the last ten lines of a file to the screen.
Flag question	Clear the screen and type
	(iris) jupyter-[your username]:~/groupwork/act1> tail science.txt What should you type to show the last 15 lines of this file?
	Answer: tail -15 science.txt
	Check
	Correct
	Marks for this submission: 1.00/1.00.
Question 21	
Correct	11. Searching the contents of a file
1.00 points out of 1.00	Simple searching using more
Flag question	Using more, you can search though a text file for a keyword (pattern). For example, to search through science.txt for the word 'science', type (iris) jupyter-[your username]:~/groupwork/act1> more science.txt
	then, still in more, type a forward slash [/] followed by the word to search
	/science It may be a little difficult to see, but more searches down and finds the keyword (usually listed on the second line of the screen).
	Which letter would you need to type to exit from more?
	Answer: q ✓
	Check
	Correct Marks for this submission: 1.00/1.00.
Question 22 Correct	grep (I have no idea why it is called grep)
1.00 points out of 1.00	grep is one of most useful standard UNIX utilities. It searches files for specified words or patterns. First clear the screen, then type
Flag question	(iris) jupyter-[your username]:~/groupwork/act1> grep science science.txt As you can see, grep has printed out each line containing the word science.
	How many lines did it print?
	Answer: 9
	Check
	Correct Marks for this submission: 1.00/1.00.
Question 23 Correct	Now let's see if The grep command is case sensitive and can distinguish between Science and science. Try typing (iris) jupyter-[your username]:~/groupwork/act1> grep Science science.txt
1.00 points out of 1.00	How many lines did it print?
Flag question	Answer: <mark>5</mark>
	Check
	Correct Marks for this submission: 1.00/1.00.
	To ignore upper/lower case distinctions, use the -i option. Now try typing
1.00 points out of	(iris) jupyter-[your username]:~/groupwork/act1> grep -i science science.txt How many lines did it print?
1.00 ▼ Flag question	Answer: 14
	Check
	Correct Marks for this submission: 1.00/1.00.
	Marks for this submission. 1.00/1.00.
Question 25	To search for a phrase or pattern with grep, you must enclose it in single quotes (the apostrophe symbol). For example to search for spinning top, type
Correct 1.00 points out of	(iris) jupyter-[your username]:~/groupwork/act1> grep -i 'spinning top' science.txt Some of the other options of grep are:
1.00 Flag question	-v display those lines that do NOT match -n precede each maching line with the line number
	-c print only the total count of matched lines
	Try some of them and see the different results. Don't forget, you can use more than one option at a time, for example, the number of lines without the words science or Science is (iris) jupyter-[your username]:~/groupwork/act1> grep -ivc science science.txt
	How many lines without the word science did this command report finding?
	Answer: 129 Check
	Correct Marks for this submission: 1.00/1.00.
Question 26 Correct	wc (word count)
1.00	A handy little utility is the wc command, short for word count. To do a word count on science.txt, type (iris) jupyter-[your username]:~/groupwork/act1> wc -w science.txt
Flag question	How many words are in science.txt?
	Answer: 1251
	Correct Marks for this submission: 1.00/1.00.
	To find out how many lines the file science.txt has, type
Correct 1.00 points out of 1.00	(iris) jupyter-[your username]:~/groupwork/act1> wc -l science.txt How many lines are in science.txt?
▼ Flag question	Answer: 143
	Check
	Correct Marks for this submission: 1.00/1.00.
Question 28	Now that we've reached the end of this module, let's go over the procedure to shut down the OSL desktop. What do you do first to close out of the desktop?
Correct 1.00 points out of	Select one:
1.00 Flag question	a. Close out the window containing the desktop b. Click "Go to Jupyter! ab" in the upper-right of the desktop
,	b. Click "Go to JupyterLab" in the upper-right of the desktop c. Click "Go to JupyterLab" in the upper-right, followed by "Shutdown and Logout Page" in the upper-right
	Click "Go to Shutdown and Logout Page" Correct - You would click that, followed by "Stop My Server" to close your connection to the OSL system. Doing so frees up computational resources for other participants in the workshop!
	Your answer is correct. Correct
	Marks for this submission: 1.00/1.00.

Finish review