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1-) pwd. The result is an absolute path because starting with a leading slash.(/)

2-) Absolute paths start with /, while relative paths do not.For example /home/username/documents … its absolute path but documents/cse341.txt is a relative path.

3-) cd ~

4-) cd ~/Documents

5-) mkdir ~/Documents/AssignmentSolutions

6-) cp -r Assignments/\* AssignmentSolutions/

7-) head -n 20 ~/Documents/AssignmentSolutions/Assignment1.txt

8-) mv ~/Documents/AssignmentSolutions/Assignment1.txt ~/Documents/AssignmentSolutions/Assignment1\_Solutions.txt

9-) passwd .

However, your attempt to change the "Student" password may not be successful, because it is usually considered a weak password and may be rejected by the system administrator.

10-) cd

mkdir ~/Documents/Courses

11-) cd ~/Document/Courses

mkdir ~/Documents/Courses/CSE341

mkdir ~/Documents/Courses/CSE5041

12-) mv ~/Documents/Assignments ~ /Documents/Courses/CSE341/

mv ~/Documents/AssignmentSolutions ~/Documents/Courses/CSE341/

13-) mkdir ~/Documents/Courses/CSE341/Exams

14-) tail -n 10 ~/Documents/Courses/CSE341/Assignments/Assignment1.txt > ~/Documents/Courses/CSE341/Exams/MidtermExam.txt

15-) cat ~/Documents/Courses/CSE341/Assignments/Assignment2.txt >> ~/Documents/Courses/CSE341/Exams/MidtermExam.txt

16-) cat ~/Documents/Courses/CSE341/Exams/MidtermExam.txt

cat ~/Documents/Courses/CSE341/Exams/MidtermExam.txt > ~/Documents/Courses/CSE341/Exams/MidtermExam\_Solutions.txt

17-) rmdir ~/Documents/Courses/OnlineOgretim

18-) rm -r ~/Documents/Viruses/COVID19

19-) The second column in this lines represent the hard link count .(1-1-2-1)

So additional hard link is spell.txt.

Other hard links are glider.txt(1),mechArms.txt(1),webslinger.txt(1).

20-) From the information provided in the file listings, it is not possible to definitively determine which file has an additional symbolic link. The reason for this is that symbolic links are separate files that point to other files or directories, and typical directory listings do not directly reveal the existence of symbolic links or their target.

We use the ls -l command to determine whether a file is a symbolic link and determine its destination.