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Homework 3

Problem 11a)

The problem is as follows, alongside the students answer:

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103
104   11. You have a file called `GoldenBoy.txt` that contains over a million lines,
105   but you are only interested in lines that contain the phrase `I Love CSE15L`.
106   For the following questions, consider making a small tester file to make
107   sure your commands work!
108
109     1. What is the command that display all the lines and their corresponding
110     line numbers containing the phrase `I Love CSE15L` in `GoldenBoy.txt` and
111     outputs them to a file named `ProofGoldenBoyLovesCSE15L.txt`?
112     **(0.5 points)**
113
114        grep -n  'I Love CSE15L' GoldenBoy.txt * > ProofGoldenBoyLovesCSE15L.txt
115
116     2. Building from part 1, we now want to count the number of lines that
117     contain the phrase `I Love CSE15L`. What command does this?
118     **Don't send the output to a file for this command**. **(0.5 points)**
119
120        grep -c 'I Love CSE15L' GoldenBoy.txt
121
```

Link to the homework: (http://ieng6.ucsd.edu/~cs15x/homework/hw3/index.html)

The grading rubric for this problem is to compare it with
grep -n 'I Love CSE15L' GoldenBoy.txt > ProofGoldenBoyLovesCSE15L.txt OR
grep -n 'I Love CSE15L' GoldenBoy.txt 1> ProofGoldenBoyLovesCSE15L.txt

from the autograder solution. The particular hard part of grading assignments at least to me is that sometimes the instructors expect specific solutions to certain problems, however sometimes we are told that if the solution works then give the student full points. However sometimes the question and solution are rather ambiguous and it's a bit unclear to me if the point should be given if it works. In this case I ended up deducting the point since the produced output of this command is not wanted and as a result did not answer the question, which was in turn marked wrong. I ended up giving them a score of 9.5/11 since the student missed a point further up in the homework as well as on this problem. As comments I told them whether the command worked or not as well as the correct command to the question, specifically the command that the grading team was expecting.