

CPSC 217 Exercise 7: Displaying a File without Adjacent Duplicates

Due: Friday December 4, 2015 at 12:00 noon

This exercise may be completed individually or as part of a group. If the exercise is completed as a group then all members of the group are expected to make a meaningful contribution to the solution.

Task:

Write a program that displays a text file. The file name will be provided as the program's only command line argument. As your program displays the file, it should remove any adjacent identical lines. For example, if the file contains the lines:

```
1
1
2
2
1
3
1
1
1
```

then the output displayed by your program should be:

```
1
2
1
3
1
```

Your program doesn't need to do any error checking (though you can if you want to). We will always start it with one command line argument and that command line argument will always be the name of a file that exists. Make sure that your output is **not** double spaced and does **not** include any extra blank lines at the end of it.

Hint: You don't need to write a lot of code to solve this problem. I came up with two different solutions, both of which were less than a dozen lines (not counting comments or blank lines).

Grading:

Your program will be tested with two different input files (which may be different from the example shown above). The following chart shows the grade that will be earned based on the number of test cases that generate correct results:

Test Cases Passed	Grade
2	A
1	C
0	F

Submission Instructions:

Submit your solution as a Python source code file electronically to the Exercise 7 drop box in D2L. You do **not** need to submit a paper copy of your solution. If you choose to complete this exercise as part of a group then each member of the group must submit a copy of the assignment using D2L.