CST 334: Operating Systems

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# AWK: xform-c

**Purpose**. Knowing how to write simple awk scripts is a very valuable skill when working in bash. This assignment will help build your awk skills.

**Instructions**. We'll write a script to transform a csv file of student assignment scores.

On mlc104, make a copy of the directory /home/CLASSES/brunsglenn/cst334/hw/hw5/xform-c. Look at example input file scores.csv. The purpose of the script is to transform the input file in the following ways:

In the header line:

* "prob\_desc" should be changed to "comments"

In the non-header lines:

* "Participant " should be added in front of the "Identifier" value
* prob\_id values in the second field should be renamed from 1-5 to 3\_a, 3\_b, …, 3\_e
* if the input score value is 1, the transformed output value should be 0, and otherwise if the input score value is 0, the transformed output values should be 10, 5, 5, 5, 5, respectively for problem ids 1 through 5.

Your solution should not depend on the ordering of rows in the input file, except the header row will always come first.

You need to edit awk script xform-c.awk. Also, you will need to the "shebang line" #!/usr/bin/awk -f to the top of the script. The directory contains tests that your code should pass. I may use additional test scripts when I test your code..

**Submitting.** Submit your edited xform-c.awk on iLearn.

**Grading**. I will run 2 test scripts on your code. This may be a little different from the test scripts you have been given. You will get 15 points for each test you pass (max 30 points).