CST 334: Operating Systems

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# AWK: rubric to header

**Instructions**. Copy the file /home/CLASSES/brunsglenn/cst334/hw/hw8/rubric.tar to a directory of your own and extract the files in it. After you extract the files you'll see directory rubric-to-header, which contains a Makefile, test scripts, plus the file rubric-to-header.awk that you'll edit.

The purpose of rubric-to-header.awk is to convert a "rubric file" into the header line of a CSV file. A rubric file is a JSON file I use to specify the problems in a homework and the points for each problem. Look at the files rubric1.json and rubric2.json. Your program needs to handle rubric files with any level of nesting, but you can assume each line of a rubric file is either:

* a line containing only '{' or '}'
* a line containing a problem name in double quotes and then a colon symbol, with white space between them
* a line containing a problem name in double quotes, a colon, a point value, and an optional comma, with white space between them

Edit only rubric-to-header.awk!

Hint: you may want to create a stack using an awk array. My solution is about 20 lines of code, including an awk function that prints the appropriate name given the stack and a depth in the stack.

**Testing your code**. Included in the tar file are files test1.sh and test2.sh, which you can use to test your code. I may use slightly different rubric files when I test your code.

**Submission**: Submit your edited rubric-to-header.awk on iLearn.

**Grading**: 10 points for each test that is passed.