

CIS204 – 12296 : UNIX Scripting & Utilities

Lecturer – Hugo Becker

Project #5 – Due Close of Business (17:00 – 5 pm) 27 April 2017

1) The shifty editor decides he needs a complete listing of the words and their frequency in all articles submitted for pay.

Your job is to create an awk file that can build an internal array of words and their count (frequency) for any given input file, and then print the words with the number of times they appear.

The input file is: /home/faculty/hbecker3/projects/p5/audi_dudi.txt

The output should resemble (look similar – not exactly alike) the following:

wheel	2
The	38
want	1
from	7

Send me the link to your awk file (I will run it with the awk -f command).

2) Your mission is to create an awk file that will report employee name, state, gross pay, taxes, and net pay in a specific format. The input file has the following fields:

Name	State	Pay Rate	Hours Worked	Overtime Hours
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There is math involved. The pay rate is the hourly pay rate – different for each employee. Overtime hours are paid at 1.5 times base rate ((OT Hours * 1.5) Pay Rate). Gross Pay = (Hours Worked + (Overtime Hours * 1.5)) * Pay Rate. Taxes are computed at 8% (0.08) for State = MO and 7% for State = KS. Net Pay = Gross Pay - Taxes

The input file is: /home/faculty/hbecker3/projects/p5/payroll

The output should look like the following:

Name	State
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Sam Smith	MO
Gross Pay:	\$1690
Taxes:	\$135.2
Net Pay:	\$1554.8

Send me the link to your awk file (I will run it with the awk -f command).