

CSE 232

Systems Programming

Assignment 8

Purpose of This Assignment

The purpose of this experiment is to invoke an awk script from a shell script.

In this assignment, your shell script will be input two command line arguments, which will be file names. An example for these files are given below:

file1.txt:
15/10/2017
8/6/2010
3/12/2011

file2.txt:
12/12/2013
4/6/2005
18/4/2014

Step 1: You will create awk1.awk, which can be used for both files above. awk1.awk partitions a date value formatted as in file1.txt and file2.txt into day, month and year fields and appends these fields to out1.txt.

Example: When file1.txt is input to awk1.awk, the contents of out1.txt become as given below:

15 10 2017
8 6 2010
3 12 2011

After executing awk1.awk to process file2.txt, out1.txt becomes:

15 10 2017
8 6 2010
3 12 2011
12 12 2013
4 6 2005
18 4 2014

Hence, you will invoke awk1.awk twice in your shell script: Once for file1.txt and once for file2.txt.

Step 2: You will create `awk2.awk`, which processes `out1.txt`. In `awk2.awk`, print the even numbered lines existing in `out1.txt`, which are given as bold in the example above. After completing step 1, execute `awk2.awk` in your shell script. When your shell script completes execution, the output will be

```
8 6 2010
12 12 2013
18 4 2014
```

You will have a single shell script.

SUBMISSION

Compress your scripts, naming your archive file as “`nameLastNameID.zip`” and submit it using YULEARN.