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#!/bin/sh
# csv_destroyer
# RTH 11/01/07
#
# Sample program to show off the most common and useful function of SED
# Like AWK, SED reads in one line of the file at a time and allows you to fiddle
# * Unlike AWK, SED automatically prints to stdout for you to redirect *
#
# Note similarity of syntax to AWK:
#   sed 'regular expressions and substitutions' INPUT > OUTPUT
#
#   s/,/\t/g == Substitute/THIS/FOR THIS/Everywhere in the current line
# Think C style for newline, tab, etc.
echo ""
echo "SED output, changing commas to tabs"
sed 's/,/\t/g' V1280Sco_csvhead.dat
# This is an example especially you can do snazzy things
# in awk, like change what it sees at the field separator.
# Also further proof that if you know C, you'll be fine. AWK has printf as well
# side note - reason this initially failed during my talk is that my laptop's
# version of AWK does NOT accept %lf as a format statement as was originally
# written, but the version on comet does. Ditto that ** failed on my laptop,
# while ^ raises exponents as expected. Be careful!
echo ""
echo "AWK output, defining commas as field separators"
awk 'BEGIN {FS=","} {printf "%f\t%f\t%e\n", $1, $2, $3}' V1280Sco_csvhead.dat
echo ""
```