AWK Cheat Sheet

The 26 commands to know first

ShortcutFoo

Basics

`$1`	Reference first column
`awk '/pattern/ {action}' file`	Execute action for matched pattern 'pattern' on file 'file'
`;`	Char to separate two actions
`print`	Print current record line
`$0`	Reference current record line
`^`	Match beginning of field
`~`	Match opterator

One-Line Exercises

`awk '{print $1}' file`	Print first field for each record in file
`awk '/regex/' file`	Print only lines that match regex in file
`awk '!/regex/' file`	Print only lines that do not match regex in file
`awk '$2 == "foo"' file`	Print any line where field 2 is equal to "foo" in file
`awk '$2 != "foo"' file`	Print lines where field 2 is NOT equal to "foo" in file
`awk '$1 ~ /regex/' file`	Print line if field 1 matches regex in file

Variables

`$2`	Reference second column
`FS`	Field separator of input file (default whitespace)
`NF`	Number of fields in current record
`NR`	Line number of the current record
`FILENAME`	Reference current input file
`FNR`	Reference number of the current record relative to current input file
`OFS`	Field separator of the outputted data (default whitespace)

Functions

`index(s,t)`	Position in string s where string t occurs, 0 if not found
`length(s)`	Length of string s (or $0 if no arg)
`rand`	Random number between 0 and 1
`substr(s,index,len)`	Return len-char substring of s that begins at index (counted from 1)
`srand`	Set seed for rand and return previous seed
`int(x)`	Truncate x to integer value

See all 55 commands and practice them free

shortcutfoo.com/app/dojos/awk

Typing drills + spaced repetition