

Functions III

< Learn These Shortcuts	AWK Cheat Sheet
Basics I	
\$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
Variables I	
variables	
\$2	Reference second column
FS	Field separator of input file (default whitespace)
NF NR	Number of fields in current record Line number of the current record
INR	Line number of the current record
Basics II	
^	Match beginning of field
!~	Match opterator Do not match operator
-F	Command line option to specify input field delimiter
BEGIN	Denotes block executed once at start
END	Denotes block executed once at end
str1 str2	Concat str1 and str2
One-Line Exercises I	
Olle-Lille Exercises I	
awk '{print \$1}' filed	Print first field for each record in file
awk '/regex/' file€	Print only lines that match regex in file
awk '!/regex/' filed	Print only lines that do not match regex in file
awk '\$2 == "foo"' file∉ awk '\$2 != "foo"' file∉	Print any line where field 2 is equal to "foo" in file
awk '\$1 " /regex/' file e	Print lines where field 2 is NOT equal to "foo" in file Print line if field 1 matches regex in file
awk '\$1!^ /regex/' filed	Print line if field 1 does NOT match regex in file
Variables II	
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)
ORS RS	Record separator of the outputted data (default newline) Record separator of input file (default newline)
	,
Variables III	
CONVFMT	Conversion format used when converting numbers (default %.6g) Separates multiple subscripts (default 034)
OFMT	Output format for numbers (default %.6g)
ARGC	Argument count, assignable
ARGV	Argument array, assignable
ENVIRON	Array of environment variables
Functions I	
T directions T	
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) srand	Return len-char substring of s that begins at index (counted from 1) Set seed for rand and return previous seed
int(x)	Truncate x to integer value
Functions II	
split(s,a,fs)	Split string s into array a split by fs, returning length of a
match(s,r)	Position in string s where regex r occurs, or 0 if not found
sub(r,t,s)	Substitute t for first occurrence of regex r in string s (or \$0 if s not
may the first on	given)
gsub(r,t,s)	Substitute t for all occurrences of regex r in string s

system(cmd)	Execute cmd and return exit status
tolower(s)	String s to lowercase
toupper(s)	String s to uppercase
getline	Set \$0 to next input record from current input file.
One-Line Exercises II	
awk 'NR!=1{print \$1}' file∉	Print first field for each record in file excluding the first record
awk 'END{print NR}' file€	Count lines in file
awk '/foo/{n++}; END {print n+0}' file e^{i}	Print total number of lines that contain foo
awk '(total=total+NF);END(print total)' filed	Print total number of fields in all lines
awk '/regex/{getline;print}' filed	Print line immediately after regex, but not line containing regex in file
awk 'length > 32' file€	Print lines with more than 32 characters in file
awk 'NR==12' filed	Print line number 12 of file < Learn These Shortcuts

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