

BASICS OF AWK

```
awk '{print $2}' file
```

Prints second field of file contents

```
ls | awk ' /foo/ {print "mv \"$1\" \"$1.new\"}' | ksh
```

Add the extension .new to each file whos name includes foo

```
ls -l | awk '/.jpg$/ {print $1 " " $9} /.txt$/ {print $1 " " $3 " " $9}'
```

Prints permissions and filename of .jpg files and permissions, owner and filename of .txt files

' allows speading awk command over multiple lines

```
ls -l | awk ' $7 == "Sep" { sum += $6 }
```

```
    END { print "Total Kbytes: " (sum + 1023)/1024 }
```

Calculates the size of the files modified in September (any year)

```
ls -l | awk '$9 ~ /\.jpg$/ { print $9 }
```

Print filenames that have .jpg extension

Regular expression comparisons: ~ compare equal !~ compare not equal

```
awk 'BEGIN { FS = ":" } { print $5 " " $1 }' /etc/passwd
```

Change field separator to :