Awk Pattern-Procedure Test

from Gilly D. et al., UNIX in a Nutshell, O'Reilly, 1986

Print first field of each line:

Print all lines that contain *pattern*:

Print first field of lines that contain *pattern*:

Select records containing more than two fields:

Interpret input records as a group of lines up to a blank line:

Print fields 2 and 3 in switched order, but only on lines whose first field matches the string "URGENT":

Count and print the number of *pattern* found:

Add numbers in second column and print total:

Print lines that contain less than 20 characters:

Print each line that begins with *Name:* and that contains exactly seven fields:

Reverse the order of fields:

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Print first field of each line:
```
{ print $1 }
```

Print all lines that contain *pattern*:
```
/pattern/
```

Print first field of lines that contain *pattern*:
```
/pattern/{ print $1 }
```

Select records containing more than two fields:
```
NF > 2
```

Interpret input records as a group of lines up to a blank line:
```
BEGIN { FS = "\n"; RS = "" }
```

Print fields 2 and 3 in switched order, but only on lines whose first field matches the string "URGENT":
```
$1 ~ /URGENT/ { print $3, $2 }
```

Count and print the number of *pattern* found:
```
/pattern/ { ++x }
END { print x }
```

Add numbers in second column and print total:
```
{total += $2 };
END { print "column total is", total}
```

Print lines that contain less than 20 characters:
```
length < 20
```

Print each line that begins with *Name:* and that contains exactly seven fields:
```
NF == 7 && /^Name:/
```

Reverse the order of fields:
```
{ for (i = NF; i >= 1; i--) print $i ; printf "\b\n" }
```