

AWK

1. It is a programming language usually used in terminal
2. By default awk treats the input text as a table, with each block being a row, and the fields of each rows are separated by the delimiter (default is space). You can change the delimiter using -F option.
3. Selectors :
 - a. BEGIN - the block associated with this selector is executed before any input has been processed
 - b. END - the block associated with this selector is executed after all input has been processed
4. Special variables :
 - a. NR - number of the current line of input
 - b. NF - the number of fields on the current line
 - c. \$0 - the entire input line
 - d. \$1,\$2, .. - the fields of the current line
5. The AWK program can be written in a file, or provided directly on the command line between apostrophes