

## SED

It is used for searching/replacing/adding/deleting text from file.

By default, it does not modify the file, but displays result of processing the input file.

To modify the file we need to use the -i option for in-place editing : sed -i

Features :

### a. Search/Replace for strings

sed -E "s/old/new/flags" file.txt

s - is the search/replace command

flags can be g, i or both

1. g - replacement everywhere on the line, without it, only the first appearance is replaced

2. i - perform a case-insensitive search

Exemplu :

bash : echo "ana are mere" | sed 's/mere/pere/'

output : ana are pere

### b. Search.Replace for individual characters

sed -E "y/oldchar/newchar/" file.txt

y - is the transliteration command

Exemplu

bash : echo "ana are mere" | sed 'y/aeiou/AEIOU/'

output : AnA ArE mErE

### c. Swapping strings using regex

sed -E "s/(grup1) (grup2) ... (grupN)/\2 \1/" file.txt

Exemplu :

bash : echo "hello world" | sed 's/(grup1) (grup2)/\2 \1/'

output : world hello

### d. Delete lines matching a regular expression

sed -E "/regex/d" file.txt

d - is the line deletion command

Exemplu :

bash : sed -E "[0-9]/d" file.txt

output : sterge liniile care contin cel putin o cifra