

# SED and regular expressions

We have already learned REGEX. Let's learn the use of **SED + REGEX** by using a couple of practical examples:

**Example 1:** match patterns and REGEX ( **\!.\*** )

```
$ sed '/\!/s/\!.*//g' datafile
```

In this example, if the line matches with the pattern **“!”**, then it replaces all the characters from **“!”** with an empty char.

**Example 2:** use REGEX to delete the last **x** characters

```
$ sed 's/...$//' datafile
```

This sed example deletes last 3 characters from each line.

**Example 3:** use REGEX to eliminate comments ( **#** )

```
$ sed -e 's/#.*//' datafile
```

This sed example deletes last 3 characters from each line.

**Example 4:** use REGEX and eliminate Comments ( **#** ) as well as the empty lines

```
$ sed -e 's/#.*//; /^$/d' datafile
```