

Sed - Delete one or more lines from a file

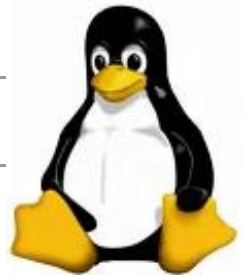
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Unix utility SED provides an effective and a versatile way of deleting one or more lines from a designated file to match the needs of the user. This **Unix** command is used for **command line processing**. This utility can be used to delete expressions from a file which can be identified by a specifying **delimiter** (like comma, tab, space, etc.), by line number, by searching for a string, expression or the address of a line in the **syntax** of SED.

[Sed] Delete one or more lines from a file

Here is how to remove one or more lines from a file. **Syntax:**

```
sed '[[/]<n>|<string>|<regex>[/]]d' <fileName>  
sed '[[/]<adr1>[,<adr2>]][/d' <fileName>
```



- **/.../**=delimiters
- **n** = line number
- **string** = string found in in line
- **regex** = regular expression corresponding to the searched pattern
- **addr** = address of a line (number or pattern)
- **d** = delete

Examples Remove the 3rd line:

```
sed '3d' fileName.txt
```

Remove the line containing the string "awk":

```
sed '/awk/d' filename.txt
```

Remove the last line:

```
sed '$d' filename.txt
```

Remove all empty lines:

```
sed '/^$/d' filename.txt  
sed '/./ld' filename.txt
```

Remove the line matching by a regular expression (by eliminating one containing digital characters, at least 1 digit, located at the end of the line):

```
sed '[0-9/][0-9]*$/d' filename.txt
```

Remove the interval between lines 7 and 9:

```
sed '7,9d' filename.txt
```

The same operation as above but replacing the address with parameters:

```
sed '/-Start/,/-End/d' filename.txt
```

The above examples are only changed at the display of the file (stdout1= screen). For permanent changes to the old versions (<4) use a temporary file for GNU sed using the **"-i[suffix]"**:

```
sed -i".bak" '3d' filename.txt
```

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