



# SED

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# Deleting Operation

- ▶ Linux Sed command allows you to delete only specific lines based on the line number or pattern matches Or part of line.
- ▶ “d” is a command for deleting the data from the pattern buffer.
- ▶ Syntax:

```
$ sed -n 'ADDRESS'd filename
```

OR

```
$ sed -n '/PATTERN/d' filename
```

# Deleting Operation

- Let us first create thegeekstuff.txt file that will be used in all the examples mentioned below.

`$ cat thegeekstuff.txt`

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
3. Hardware
4. Security (Firewall, Network, Online Security etc)
5. Storage
6. Cool gadgets and websites
7. Productivity (Too many technologies to explore, not much time available)
8. Website Design
9. Software Development
- 10.Windows- Sysadmin, reboot etc.

# Number Format

Total : 4

# Deleting Operation-Address Format 1

**Delete Nth Line:** 'Nd' deletes the Nth line and prints the other lines.

**sed 'Nd' filename**

**For example:** 3d deletes 3rd line and prints other lines as shown below.

```
$ sed 3d thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
- 3.
4. Security (Firewall, Network, Online Security etc)
5. Storage
6. Cool gadgets and websites ..... Print till end of file

# Deleting Operation-Address Format 2

Delete Number1~Number2 Lines: M~Nd

► **Example** :Delete Starting from 3rd line and every 2nd line from there.

```
$ sed '3~2d' thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
- 3.
4. Security (Firewall, Network, Online Security etc)
- 5.
6. Cool gadgets and websites
- 7.
8. Website Design
- 9.
- 10.Windows- Sysadmin, reboot etc.

# Deleting Operation-Address Format 3

Delete Consecutive Lines M,Nd

► **Example** :Delete from 4<sup>th</sup> to 8th line.

```
$ sed '4,8d' thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.

2. Databases - Oracle, mySQL etc.

3. Hardware

9. Software Development

10.Windows- Sysadmin, reboot etc.

# Deleting Operation-Address Format 4

Delete Last Lines: \$d

► **Example :**Delete Last line from file

```
$ sed '$d' thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
3. Hardware.....Print line till line number 9



# Pattern Format

Total : 4

# Deleting Operation-Pattern Format 1

Sed Pattern Format 1: /Pattern/d

- **Example** :Delete line which contain “website” word in it. Delete line till end of file.

```
$ sed '/Website/, $d' thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
3. Hardware
4. Security (Firewall, Network, Online Security etc)
5. Storage
6. Cool gadgets and websites
7. Productivity (Too many technologies to explore, not much time available)

# Deleting Operation-Pattern Format 2

**Sed Pattern Format 2:** /PATTERN/,+N

- **Example :**Deletes the line from which matches the given pattern and 2lines next to that.

```
$ sed '/Storage/,+2d' thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
3. Hardware
4. Security (Firewall, Network, Online Security etc)
8. Website Design
9. Software Development
- 10.Windows- Sysadmin, reboot etc.

# Deleting Operation-Pattern Format 3

Sed Pattern Format 3: `/^$/`

**Example :**Deletes blank line from file.

```
$ sed '/^$/d' thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
3. Hardware
4. Security (Firewall, Network, Online Security etc)...Print till end of file.

# Deleting Operation-Pattern Format 4

Sed Pattern Format 3: `/^$/`

**Example :**Deletes blank line from file.

```
$ sed '/^$/d' thegeekstuff.txt
```

1. Linux - Sysadmin, Scripting etc.
2. Databases - Oracle, mySQL etc.
3. Hardware
4. Security (Firewall, Network, Online Security etc)...Print till end of file.