

Parsing Files with awk (and sort and uniq) (Lab)

 coursera.org/learn/linux-tools-for-developers/supplement/dWvMn/parsing-files-with-awk-and-sort-and-uniq-lab

Exercise

Generate a column containing a unique list of all the shells used for users in **/etc/passwd**.

You may need to consult the manual page for **/etc/passwd** as in:

```
1
```

```
$ man 5 passwd
```



Which field in **/etc/passwd** holds the account's default shell (user command interpreter)?

How do you make a list of unique entries (with no repeats)?

Solution

You can see a solution for this exercise here:

The field in **/etc/passwd** that holds the shell is #7. To display the field holding the shell in **/etc/passwd** using **awk** and produce a unique list:

```
1
```

```
$ awk -F: '{print $7}' /etc/passwd | sort -u
```



or

```
1
```

```
$ awk -F: '{print $7}' /etc/passwd | sort | uniq
```



For example:

1

2

3

4

5

6

7

```
$ awk -F: '{print $7}' /etc/passwd | sort -u
```

```
/bin/bash
```

```
/bin/sync
```

```
/sbin/halt
```

```
/sbin/nologin
```

```
/sbin/shutdown
```

