

# Manipulating Text – Solutions

## Lab 1: Searching with **grep**

To search for your username run the following command:

```
$ grep your-username /etc/passwd
```

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## Lab 2: Parsing files with **awk**

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:

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

or

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

For example:

```
$ awk -F: '{print $7}' /etc/passwd | sort -u
/bin/bash
/bin/false
/bin/sh
/bin/sync
/usr/sbin/nologin
$
```

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## Lab 3: Searching and substituting with `sed`

To search and replace using `sed`:

```
$ sed 's/false$/bash/' /etc/passwd
```

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