

# Shared Libraries (Lab)

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[coursera.org/learn/linux-tools-for-developers/supplement/b7mki/shared-libraries-lab](https://coursera.org/learn/linux-tools-for-developers/supplement/b7mki/shared-libraries-lab)

## Exercise

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To see what shared libraries **vim** uses do:

```
$ ldd /usr/bin/vim
```

which will show you the full shared library names and their locations on the filesystem.

You can gain further information about the actual shared memory segments used by starting up an instance of **vim** and making sure you know the **pid** of the process, such as by doing:

```
$ vim &
```

```
[1] 25716
```

which says the **pid** is **25716**. You can gain this detailed information by doing either:

```
$ cat /proc/pid/maps (i.e., cat /proc/25716/maps)
```

or

```
$ pmap -d 2 pid (i.e., pmap -d 25716)
```

Note that while there are probably separate executables for **vi** and **vim** on your system (**/bin/vi** and **/usr/bin/vim**) you probably have a default alias in your command shell that invokes **vim** when you type **vi**, so to get **vi** directly you have to give the full path name. Try doing the above for **/bin/vi** as well.