

**Exercise 8.1** `udev`

1. Create and implement a rule on your system that will create a symlink called `myusb` when a **USB** device is plugged in.
2. Plug in a **USB** device to your system. It can be a pen drive, mouse, webcam, etc.  
Note: If you are running a virtual machine under a hypervisor, you will have to make sure the **USB** device is seen by the guest, which usually is just a mouse click which also disconnects it from the host.
3. Get a listing of the `/dev` directory and see if your symlink was created.
4. Remove the **USB** device. (If it is a drive you should always **umount** it first for safety.)
5. See if your symbolic link still exists in `/dev`.

**Solution 8.1**

1. Create a file named `/etc/udev/rules.d/75-myusb.rules` and have it include just one line of content:

```
$ cat /etc/udev/rules.d/75-myusb.rules
```

```
SUBSYSTEM=="usb", SYMLINK+="myusb"
```

Do not use the deprecated key value `BUS` in place of `SUBSYSTEM`, as recent versions of **udev** have removed it.

Note the name of this file really does not matter. If there was an `ACTION` component to the rule the system would execute it; look at other rules for examples.

2. Plug in a device.
3. 

```
$ ls -lF /dev | grep myusb
```
4. If the device has been mounted:

```
$ umount /media/whatever
```

where `/media/whatever` is the mount point. Safely remove the device.

5. 

```
$ ls -lF /dev | grep myusb
```