Exercise 27.1: `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 27.1

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`