



uOttawa and Carleton 2015

Some Early Morning Inspiration

<https://www.youtube.com/watch?v=DYBPotROKC8>

What is the Raspberry Pi?

<https://www.youtube.com/watch?v=e0wkVVVLvR8>

What Cool Things Can You Do With a Pi?

<https://www.youtube.com/watch?v=nAvZMgXbE9c>

Setting Up the Hardware and Turning it On

1. Plug in the HDMI cable to the Pi and the monitor's input.
2. Change the monitor's input to HDMI.
3. Move the keyboard and mouse USB connections from the monitor to the Pi.
4. Make sure the SD card is firmly inserted in the Pi.
5. Finally, plug in the power cable.

Important: Do not just unplug the power – we'll tell you how to shut down properly later.

Username and Password

The default is to have the username `pi` and the password `raspberrypi`

(To log on to the lab machines, use `mini` and `minigocodegirl`)

The Command Line

When your Pi starts...

...it boots into a command line interface. Type `startx` to bring up the graphical user interface.

```
Debian GNU/Linux wheezy/sid raspberrypi tty1

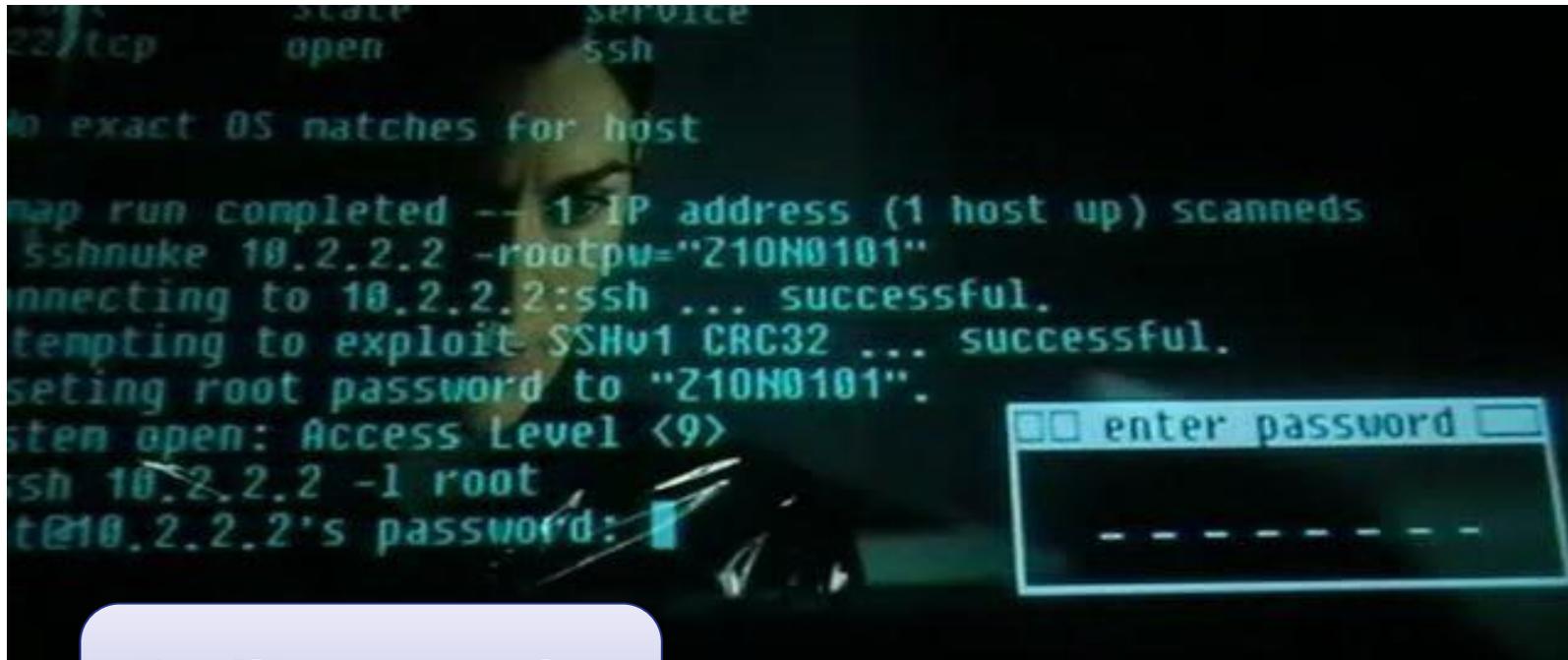
raspberrypi login: pi
Password:
Last login: Tue Aug 21 21:24:50 EDT 2012 on tty1
Linux raspberrypi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.

Type 'startx' to launch a graphical session

pi@raspberrypi ~ $
```



Be like a movie-style hacker!

<http://scifiinterfaces.wordpress.com/errata/>

To start the terminal...

Open LXTerminal from the desktop.

Type a command and press enter

date

Navigate Through Your File System

```
pwd  
mkdir newFolder  
ls  
ls -l  
cd Desktop  
cd ..
```

Launching Programs

Try typing leafpad at the prompt:

```
leafpad
```

Learn More About an Application

Type `man` and the name of the program; for example:

```
man leafpad
```

Shutting Down Your Pi Safely

```
sudo shutdown -h now
```

More Commands

Check out the link posted under Day 2 at <http://www.gailcarmichael.com/gocodegirl>

Tutorial Time

Thank You!

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