Installing Homebrew/LinuxBrew

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Since some of the tools in this class such as yosys and nMigen are bleeding edge, we use the Homebrew(Mac)/Linuxbrew package manager which makes accessing the latest build easy.

MacOS

Installing brew on MacOS is easy:

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install.sh)"
```

Ubuntu

Installing brew on Ubuntu is a little more involved.

```
sudo apt-get install build-essential curl file git
sh -c "$(curl -fsSL https://raw.githubusercontent.com/Linuxbrew/install/master/install.sh)"
echo eval $(/home/linuxbrew/.linuxbrew/bin/brew shellenv) >>~/.bashrc
echo export LD_LIBRARY_PATH=/lib:/usr/lib:/usr/local/lib:/home/linuxbrew/.linuxbrew/lib >>~/.bashrc
```

Then restart your terminal.

Installing Tools

I maintain a brew RTL tools tap which you can use in this class. Go ahead and tap it.

```
brew tap bracketmaster/rtl
```