# Installation sequence

The installation sequence assumes that the learner is using the latest version of **Debian 64 bit network install** and has configured the **sudo** application. Once the learner has issued these commands to install and configure all of the software used in the course, the learner should be ready to go.

Some sections will include software that will be installed during that section. Those installation portions are included in this document as well. Scroll down to **“Installation by Video”**.

## Apt-get

sudo apt-get install python3

sudo apt-get install libzmq3-dev

sudo apt-get install python3-pip

sudo apt-get install haskell-platform

sudo apt-get install pkg-config

sudo apt-get install libncurses5-dev

## Installing Jupyter

sudo pip3 install jupyter

## Installing and Configuring cabal

cabal update

cabal install cabal-install

echo "export PATH=~/.cabal/bin/:$PATH" > ~/.bashrc

source ~/.bashrc

echo $PATH

## Installing IHaskell

cabal install happy cpphs

cabal install ihaskell --reorder-goals

## Installing IHaskell into Jupyter

ihaskell install

## Running Jupyter with IHaskell

ipython notebook

# Installations by Video

## Section 1 - Video 1

We install the Text.CSV library.

cabal install csv

## Section 2 - Video 1

We install SQLite3.

sudo apt-get install sqlite3 libsqlite3-dev

## Section 2 - Video 2

We install the HDBC Haskell libraries for SQLite3.

sudo apt-get install libghc-hdbc-sqlite3-dev

cabal install HDBC HDBC-sqlite3

## Section 3 - Video 1

We install Text.Regex.Posix library.

cabal install regex-posix

## Section 4 - Video 1

We install gnuplot and the Graphics.EasyPlot library.

sudo apt-get install gnuplot

cabal install easyplot