cs281: Introduction to Computer Systems Y86 Package Installation

The following are instructions about how to install and build the package for the Y86 simulator.

1. Visit our class webpage to download the sim.tar file. Copy it to your cs281 directory and untar it. It should create a subdirectory called sim.

> tar -xvf sim.tar

2. Enter the sim subdirectory. Edit the Makefile. Look near the top for the line with:

#GUIMODE=-DHAS_GUI

Remove the comment '#' character from the front so that the line is uncommented and active.

Find the line that reads:

TKINC=-isystem /usr/include

Change it to read:

TKINC=-isystem /usr/include/tcl8.5

Save these changes and quit the editor.

3. Compile the simulator with:

```
> make clear
> make
```

- 4. In your sim/misc directory you can now find the yas assembler and the yis simulator. Explore the y86-code directory for some example programs.
- 5. If you are fancy, you can add the sim/misc to your path. Here is my .bash_profile line:

```
PATH=$PATH":.:/usr/local/cmucl-20d-x86-darwin/bin:
/Volumes/Data/home/kretchmar/cs281/sim/misc"
```

(note: this should all be on one line in your bash profile, but I had to break it in to two lines above to fit on the page).