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#!/bin/bash
#Software for ECE 477
# It sets up an Ubuntu environment with a GUI and programming tools for
# PC and AVR.
#
# Install a base GUI
#
sudo apt-get update
sudo apt autoremove
sudo apt-get install xubuntu-core^

# Code to download, patch, and build avrdude 6.3 on Ubuntu
#
#
export PREFIX=/usr/local
cd
sudo apt-get remove avrdude
sudo apt-get install -f build-essential wget gcc libevent-dev libcurl3 python-gtk2-dev uuid-dev
libsqlite0-dev libjansson-dev intltool cmake libfuse-dev libtool gcc

sudo apt-get install -f make automake autoconf flex bison libusb-dev libusb-1.0-0-dev
libx11-dev libftdi1 subversion
wget http://download.savannah.gnu.org/releases/avrdude/avrdude-doc-6.3.pdf

mkdir avrdude
cd avrdude

svn co svn://svn.sv.gnu.org/avrdude/tags/RELEASE_6_3
#wget http://download.savannah.gnu.org/releases/avrdude/avrdude-6.3.tar.gz
#gunzip -c avrdude-6.3.tar.gz |tar xf -
cd RELEASE_6_3
wget http://savannah.nongnu.org/bugs/download.php?file\_id=32171
patch < download.php?file_id=32171
./bootstrap
mkdir obj-avr
cd obj-avr
sudo ../configure --prefix=$PREFIX
sudo make
sudo make install

## Other avr stuff

sudo apt-get -f install

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```
sudo apt autoremove
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```
sudo apt-get -f install  
sudo apt-get install gcc-avr  
sudo apt-get -f install  
sudo apt autoremove
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sudo apt-get install binutils-avr  
sudo apt-get install avr-libc
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sudo apt autoremove
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