This is the clean-vm.sh script that cleans up the student's home directory and frees up space in the VM before creating a golden image.

**Do not run this on a VM you are already using**, as this will wipe out a number of files in the student home directory.

```bash
#!/bin/bash

echo "Removing unused packages..."
apt auto-remove -y

echo "Cleaning logs..."
# Stop logging service
service rsyslog stop
# Clear logs
logrotate -f /etc/logrotate.conf
rm /var/log/*.*.gz /var/log/*.*.1

echo "Cleaning /tmp and /var/tmp..."
rm -rf /tmp/*
rm -rf /var/tmp/*

echo "Removing SSH keys..."
rm -rf ~student/.ssh/*
rm -rf ~root/.ssh/*

echo "Removing configuration files and histories..."
rm -rf ~root/.bash_history
rm -rf ~student/.bash_history
rm -rf ~student/.mozilla/firefox
rm -rf ~student/.ipython
rm -rf ~student/.chisubmit
rm -rf ~student/.vim
rm -rf ~student/.emacs.d
rm -rf ~student/.gitconfig
rm -rf ~student/.local/share/recently-used.xbel
rm -rf ~student/.config/sublime-text-3

echo "Removing old snaps..."
# From https://www.linuxuprising.com/2019/04/how-to-remove-old-snap-versions-to-free.html
LANG=en_US.UTF-8 snap list --all | awk '{disabled}/(print $1, $3)' |
    while read snapname revision; do
        snap remove "snapname" --revision="revision"
done
```

`echo "Clearing caches..."`  
`apt clean`  
`rm -rf ~student/.cache`  
`rm -rf /root/.cache`  
`rm -rf /var/lib/apt/lists/*`  
`rm -rf /var/lib/snapd/cache/*`

`echo "Adding SSH host key for mit.cs.uchicago.edu..."`  
`ssh-keyscan -H mit.cs.uchicago.edu > ~student/.ssh/known_hosts`  
`ssh-keyscan -H $(dig +short mit.cs.uchicago.edu) >> ~student/.ssh/known_hosts`  
`chown -R student.student ~student/.ssh`

`sync`