

1.

```
cd /usr/src
sudo git clone --depth 1 https://github.com/torvalds/linux.git
```
2.

```
grep -r 'for ('[a-zA-Z][^n][^t] /usr/src/linux/kernel/
```

This command returned a list that proved that "most" of the linux kernel code declares iterators at the start of a function. Now this is the "cleanest" grep I could seem to make, but there is a possibility that leaving out the 'n' and 't' could in turn get rid of some needed results. I also tried the following command to check if the variable iterators were included in the for-loop statement locally:

```
grep -r 'for (int' /usr/src/linux/kernel/
```

This ended up returning a few results which made it seem as though the kernel "mostly" uses iterator variables declared at the start of a function.
3.

```
git clone https://git.code.sf.net/p/openocd/code openocd-code
./bootstrap
./configure --prefix=/usr/local
make
sudo make install
```
4.

```
sudo mv Downloads/udev.tar.gz /etc/udev/rules.d/
sudo tar -xf /etc/udev/rules.d/udev.tar.gz
```
5.

```
ln -s /lib/aarch64-linux-gnu/libpython3.9.so.1 rtossed/libpython3.8-so.1.0
```
6.

```
sudo apt install libncurses5-dev
```
7.

```
openocd -f interface/stlink-v2-1.cfg -f target/stm32h7x.cfg
```

(These are the right commands, doesn't want to work, throws a interface not found error)
8.

```
cd ~/rtossed
export LD_LIBRARY_PATH=.
gdb
set output-radix 16
target extended-remote :3333 -----> (Since openocd doesn't work, this doesn't either)
```
9.

```
sudo apt install minicom
```
10.

```
enscript -b '$n %E %C|$%'Isaac Violette' -T 4 -p HW2.ps HW2
```