

```

1.
CC=gcc
CFLAGS= -g -Wall
OBJS= titanic.o sink.o gone.o
TARGET=boat

$(TARGET):$(OBJS)
    $(CC) -o $(TARGET) $(CFLAGS) $(OBJS)

clean:
    $(RM) boat *.0*

2.
#!/usr/bin/python

passwd=open("/etc/passwd","r") #opens file
wlist=passwd.read().split('\n') #splits into a list
out=[] #initialize the an empty list
for i in wlist:
    passw=i.split(':') #splits each part of list into a new list
    try:
        out.append(passw.pop(6)) #takes the recently spilt list and gets the 7th segment
    except:
        print list(set(out)) #prints out final result
        quit()

3.
^([01][0-9])|([2][2-4]):([0-5][0-9])|([6][0]):([0-5][0-9])|([6][0])$

4.
#include<stdio.h>
#include<stdint.h>
#include<unistd.h>
#include<signal.h>
/*
 * Jason Millette
 * 3/8/2018
 * ECE331
 */

int main()
/*
 * creates child
 * then sleeps forever
 * then sends HUP
 * then quits
 */
{
    uint32_t pid; //using uint to make it more widely supported
    pid = fork();
    if (pid < 0) {
        printf("pid < 0: error\n"); //checks for error
        return 1;
    }

    else if (pid == 0) {
        /*
         * tells child to sleep
         * indefinitely
         */
        while(1) {
            sleep(1);
        }
    }

    else {
        /*
         * sends HUP

```

```
* to child
* then returns
*/
    kill(pid, SIGHUP);
    return 0;
}
```

}
5.

- a. "Y" then "G" then "p"
- b. `sed -n 432,524p /usr/local/xyzzy/theonering`
- w. `ln /var/lib/cache/storm four*two`
- d. `chmod -R go=u-rw,go+r *`
- e. `ps ax | grep "\sSs" | wc -l`
- f. `sudo apt install stella`

6.

```
sudo apt-get install enscript
```

```
enscript -b'ECE331|EXAM01|Jason Millette' -O test1 -o - | ps2pdf - test1.pdf
```