

Hayden Jeanor, Garrett O'Neill  
EE 442-02  
Dr. Danowitz  
9/20/2022

## Lab 1

### Flags:

Level 0	flag:{level1:RjMY4zR6,4kaFXeBB;%K4#KiK6qYmoj}keAGVc}
Level 1	flag:{level2:W7RU>asPZP846[P6J6(44PVXAW7R6p}
Level 2	flag{level3:t{4Z49Z9RUj4MZ2}bMg32e7u9ek;yv}
Level 3	flag{level4:Rneb9Prg82m3J2c8T%x266V*9L*dLm}
Level 4	flag{level5:fYFJYEL47u8A4k78k6^*ho\$y32ouE8}
Level 5	flag{level6:64%7?Emr6bWa697yALNJJd39>gT8jP}
Level 6	flag{level7:E%o7JCj4G7qVm8e9JX382gA23)G#NL}
Level 7	flag{level8:WPcK8d*o9orNo47>MPeYo4638XC?66}
Level 8	flag{Congratulations!: bp7GDV6RdVhk92f6o9G^74k4.8az?L}

### Line-by-line commands to find all flags:

```
// open terminal
```

```
ssh level0@localhost  
password: level0
```

#### Level 0:

```
ls  
cat README  
    // flag:{level1:RjMY4zR6,4kaFXeBB;%K4#KiK6qYmoj}keAGVc}  
ssh level1@localhost  
password: RjMY4zR6,4kaFXeBB;%K4#KiK6qYmoj}keAGVc
```

#### Level 1:

```
ls  
cat README
```

```
ls -a
cat .README
    // flag:{level2:W7RU>asPZP846[P6J6(44PVXAW7R6p}
ssh level2@localhost
password: W7RU>asPZP846[P6J6(44PVXAW7R6p
```

## Level 2:

```
ls
cat README
ls -a
cat "this file has tons of spaces"
    // flag{level3:t{4Z49Z9RUj4MZ2}bMg32e7u9ek;yv}
ssh level3@localhost
password: t{4Z49Z9RUj4MZ2}bMg32e7u9ek;yv
```

## Level 3:

```
ls
cd "in here"
cd "in here"
cat README
    // flag{level4:Rneb9Prg82m3J2c8T%x266V*9L*dLm}
ssh level4@localhost
password: Rneb9Prg82m3J2c8T%x266V*9L*dLm
```

## Level 4:

```
ls
cat README
find
cd 5/2/8/7
ls
cat FOUND
    // flag{level5:fYFJYEL47u8A4k78k6^*ho$y32ouE8}
ssh level5@localhost
password: fYFJYEL47u8A4k78k6^*ho$y32ouE8
```

## Level 5:

```
ls
cat README
grep -o ".\{0,5\}flag.\{0,40\}" FINDIT
    // flag{level6:64%7?Emr6bWa697yALNJJd39>gT8jP}
```

```
ssh level6@localhost
password: 64%7?Emr6bWa697yALNJJd39>gT8jP
```

### **Level 6:**

```
ls
grep -r "flag"
    // flag{level7:E%o7JCj4G7qVm8e9JX382gA23)G#NL}
    // directory is HERE37
ssh level7@localhost
password: E%o7JCj4G7qVm8e9JX382gA23)G#NL
```

### **Level 7:**

```
ls
cat README
cat spinning
cat spinning | tr '[q-za-p]' '[a-z]'86 | tr '[Q-ZA-P]' '[A-Z]'86
    // flag{level8:WPcK8d*o9orNo47>MPeYo4638XC?66}
ssh level8@localhost
password: WPcK8d*o9orNo47>MPeYo4638XC?66
```

### **Level 8:**

```
ls
cat README
    // flag{Congratulations!: bp7GDV6RdVhk92f6o9G^74k4.8az?L}
```