

KRYPTON WARGAME:

Level 0 – 1:

```
nano krypton1
```

```
ssh krypton1@krypton.labs.overthewire.org -p 2231
```

```
ls
```

```
ls -la
```

```
cd /krypton
```

```
ls
```

```
cd krypton1
```

```
ls
```

```
cat README
```

```
cat krypton2
```

```
cat krypton3
```

```
cat krypton2 | tr 'A-Z' 'N-ZA-M'
```

```
logout
```

Level 1 – 2:

```
nano krypton2
```

```
ssh krypton2@krypton.labs.overthewire.org -p 2231
```

```
ls
```

```
cd /krypton/
```

```
cd krypton2
```

```
ls
```

```
ls -la
```

```
mkdir /tmp/lev2-3
```

```
cd /tmp/lev2-3
```

```
ls
```

```
ln -s /krypton/krypton2/keyfile.dat
```

```
ls
```

```
chmod 777 .
```

```
echo "AAAAA"> encrypt.txt
/krypton/krypton2/encrypt encrypt.txt
ls -la
cat ciphertext
ls -la
cd /krypton/krypton2
cat krypton3 | tr 'A-Za-z' 'O-ZA-No-za-n'
logout
```

Level 2 – 3:

```
nano krypton3
ssh krypton3@krypton.labs.overthewire.org -p 2231
ls
cd /krypton/krypton3
ls
ls -la
cat README
ls -la
cat found1
cat found2
cat found3
ls -la
cat HINT1
cat HINT2
for i in {A..Z}; do printf $i; cat found1 found2 found3 | tr -cd $i | wc -c; done
for i in {A..Z}; do printf $i; cat found1 found2 found3 | tr -cd $i | wc -c; done
for i in {A..Z}; do echo -n "$i"; cat found1 found2 found3 | tr -cd "$i" | wc -c; done | sort -k2 -nr
for i in {A..Z}; do echo -n "$i"; cat found1 found2 found3 | tr -cd "$i" | wc -c | tr -d '\n'; printf " $i\n";
done | sort -nr
cat krypton4 | tr 'SQJUBNGCDZVWWMYTXKELAFIORHP' 'ETAOINSRHDLCMFYWGPBVKXQJZ'
cat HINT2
cat HINT1
```

```
cat krypton4 | tr 'SQJUBNGCDZVWMYTXKELAFIORHP' 'EATSORNIHCLDUPYFWGMBKVBXQJZ'
```

```
logout
```

Level 3 – 4:

```
nano krypton4
```

```
ssh krypton4@krypton.labs.overthewire.org -p 2231
```

```
cd /krypton/krypton4
```

```
ls -la
```

```
cat found1
```

```
cat found2
```

```
cat HINT
```

```
nano found1
```

```
cat found1
```

```
cat krypton5
```

```
logout
```

Level 4 – 5:

```
nano krypton5
```

```
ssh krypton5@krypton.labs.overthewire.org -p 2231
```

```
ls
```

```
cd /krypton/krypton5
```

```
ls
```

```
cat found1
```

```
cat found2
```

```
cat found3
```

```
ls
```

```
ls -la
```

```
cat found1
```

```
cat krypton6
```

```
logout
```

Level 5 – 6:

```
nano krypton6
```

```
ssh krypton6@krypton.labs.overthewire.org -p 2231
```

```
ls
```

```
cd /krypton/krypton7
```

```
cd ..
```

```
cd krypton6
```

```
ls
```

```
ls -la
```

```
ls onetime/
```

```
cat krypton7
```

```
cat HINT1
```

```
cat HINT2
```

```
mkdir /tmp/lev7
```

```
cd /tmp/lev7
```

```
ls
```

```
ln -s /krypton/krypton6/s
```

```
ln -s /krypton/krypton6/keyfile.dat
```

```
ln -s /krypton/krypton6/krypton7
```

```
ls
```

```
chmod 777 .
```

```
touch a.txt
```

```
nano a.txt
```

```
cat a.txt
```

```
/krypton/krypton6/encrypt6 a.txt cipher.txt
```

```
cat cipher.txt
```

```
nano krypton6
```

```
cat cipher.txt
```

```
man xxd
```

```
xxd -b a.txt
```

```
xxd -b cipher.txt
```

```
nano main.py
```

```
python3 main.py /krypton/krypton6/krypton7 EICTDGYIYZKTHNSIRFXYPFUEOCKRN
```

logout

Level 6 – 7:

nano krypton7

ssh krypton7@krypton.labs.overthewire.org -p 2231

cd /krypton/krypton7

ls

README

cat README