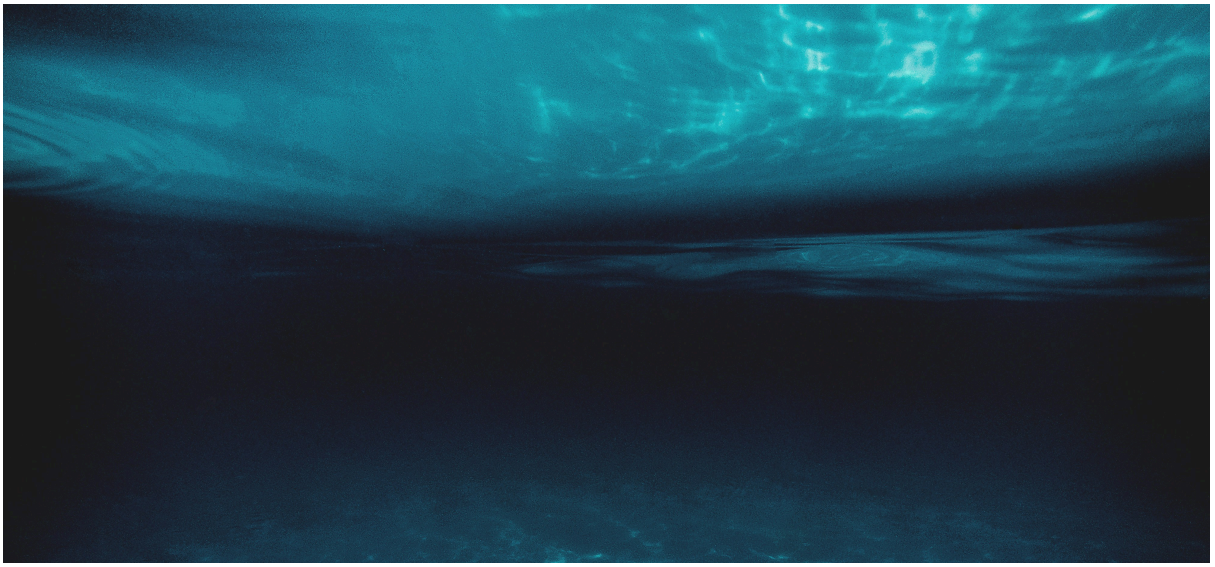
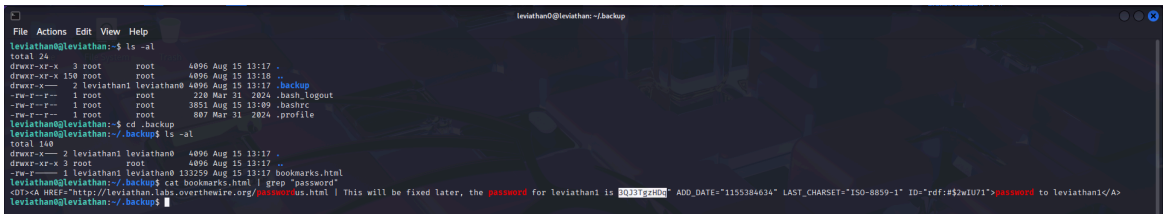


OverTheWire Leviathan Series

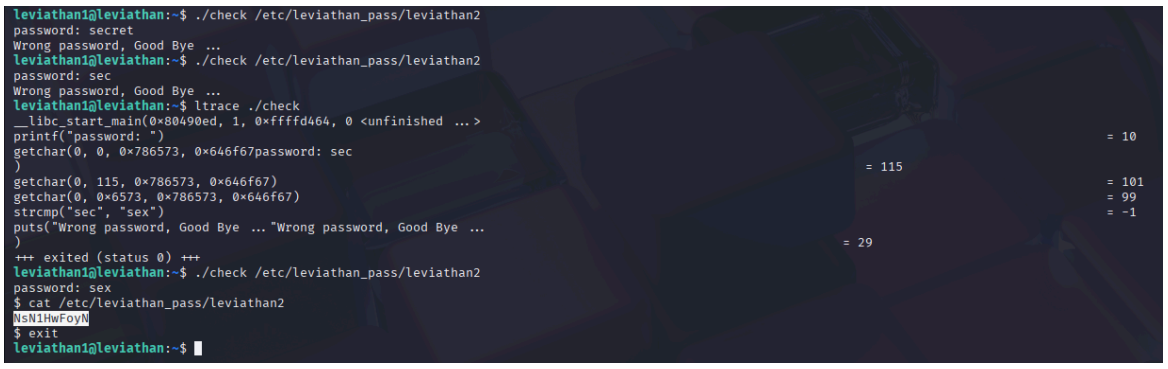
▼ Level 1



Password [next level]:

```
3QJ3TgzHDq
```

▼ Level 2

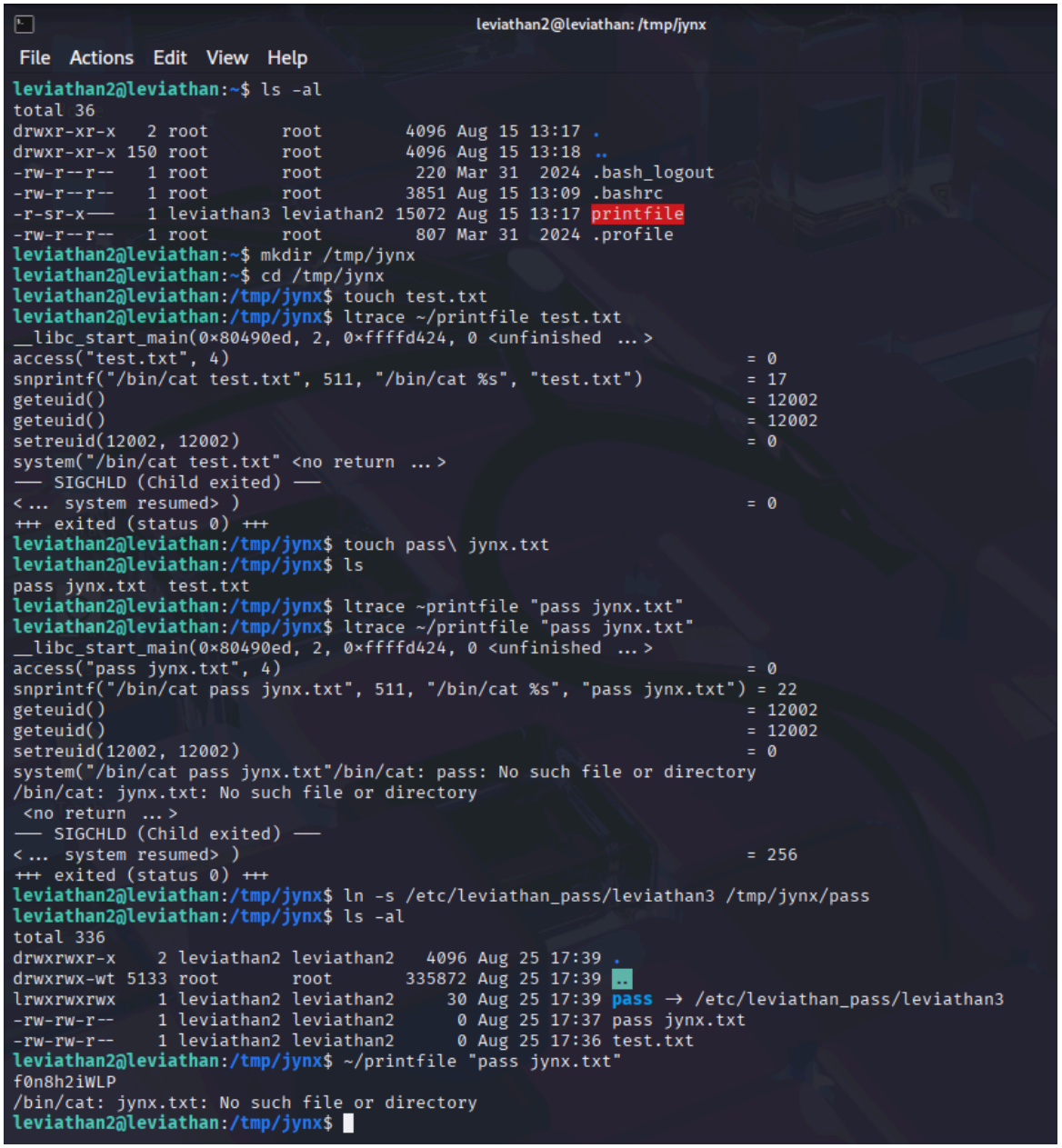


Password [next level]:

NsN1HwFoyN

▼ Level 3

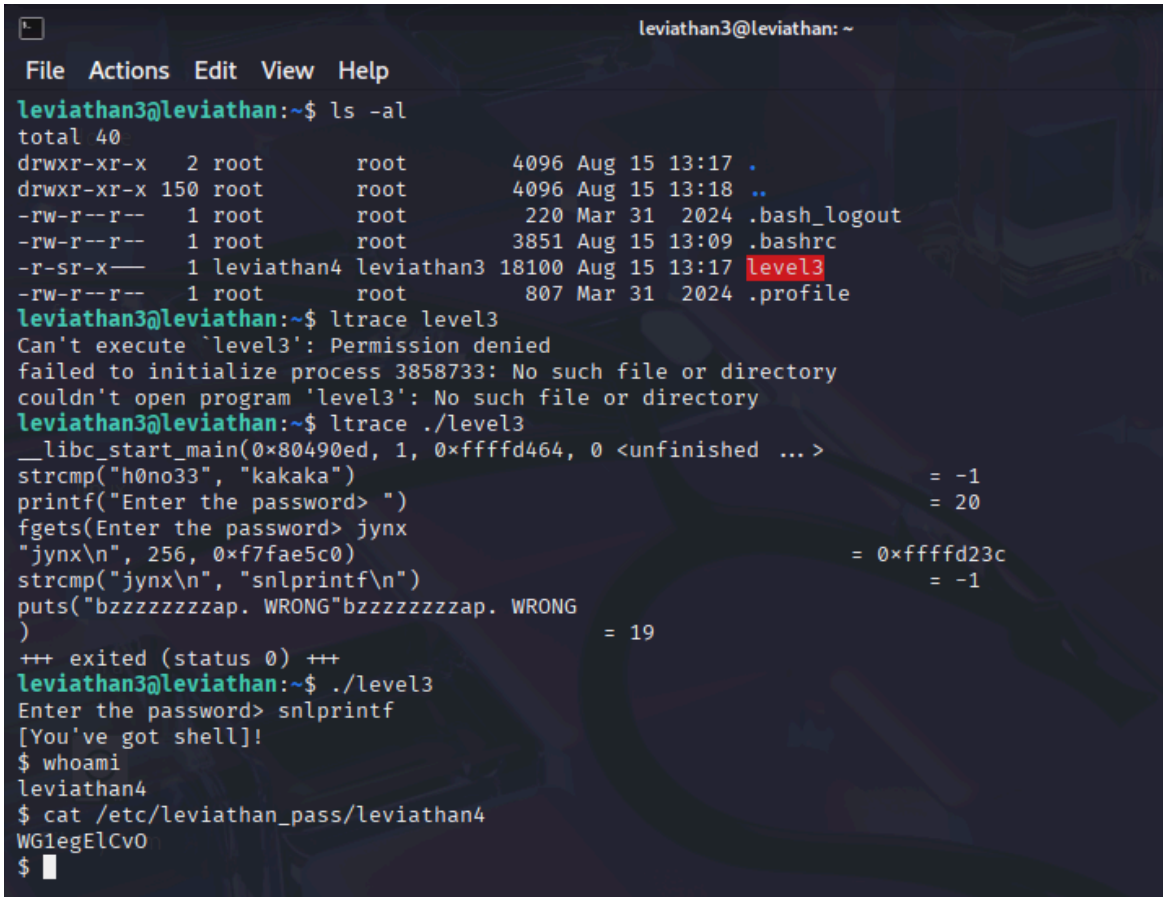
- The program uses `access()` to check if you can read the file
- Then it uses `system("/bin/cat %s")` to actually read the file
- The key is the `snprintf("/bin/cat /tmp/testfile", 511, "/bin/cat %s", "/tmp/testfile")`



Password [next level]:

f0n8h2iWLP

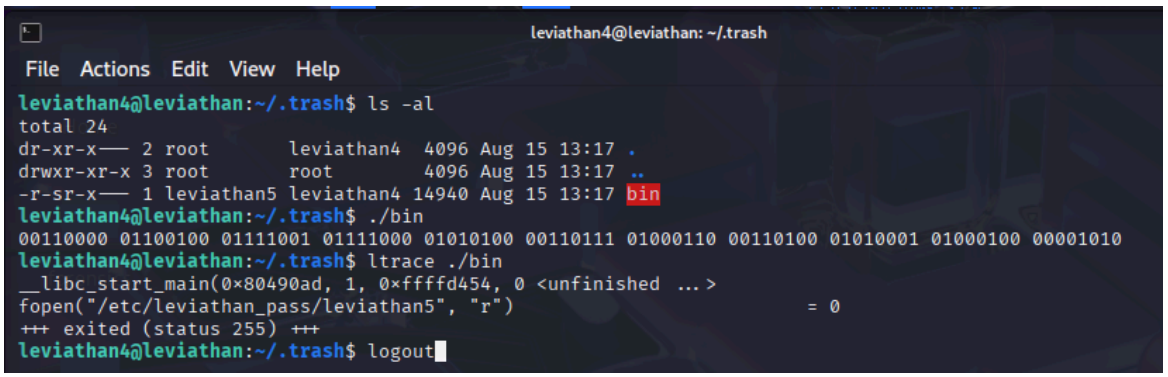
▼ Level 4

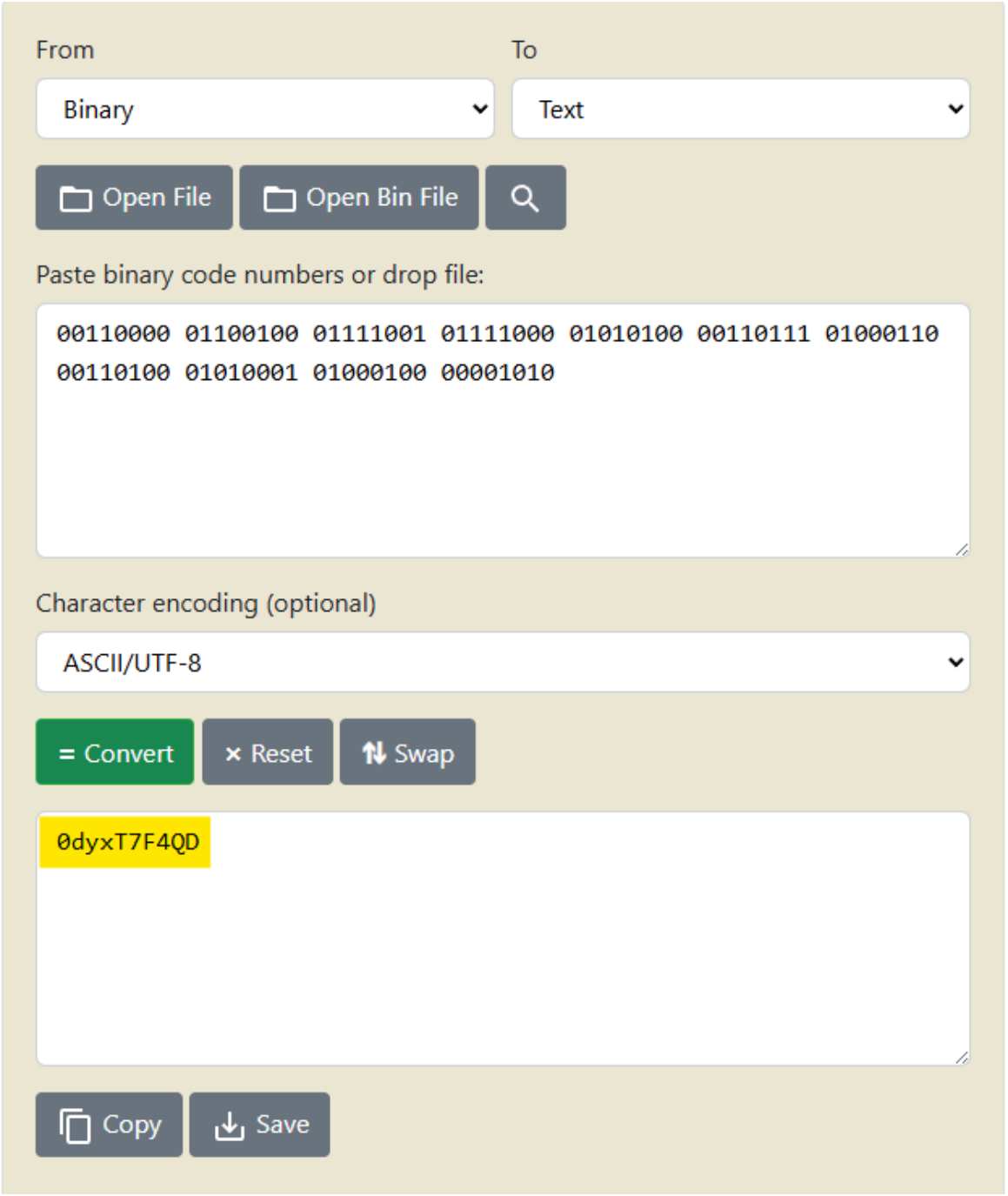


Password [next level]:

```
WG1egElCvO
```

▼ Level 5

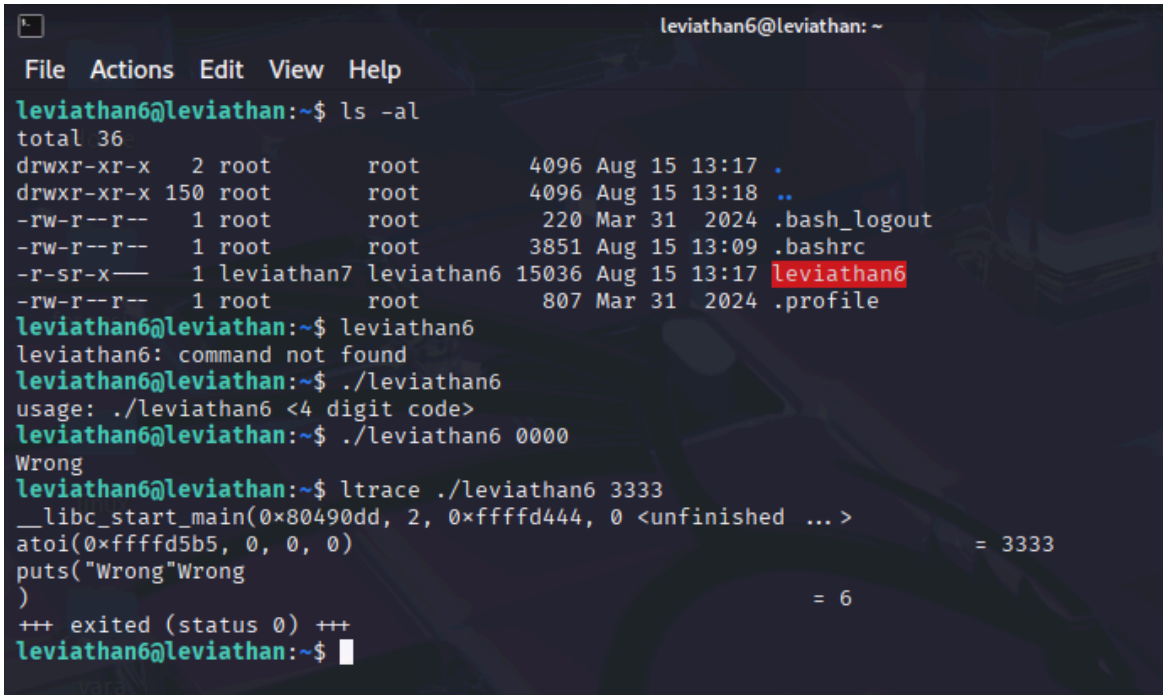


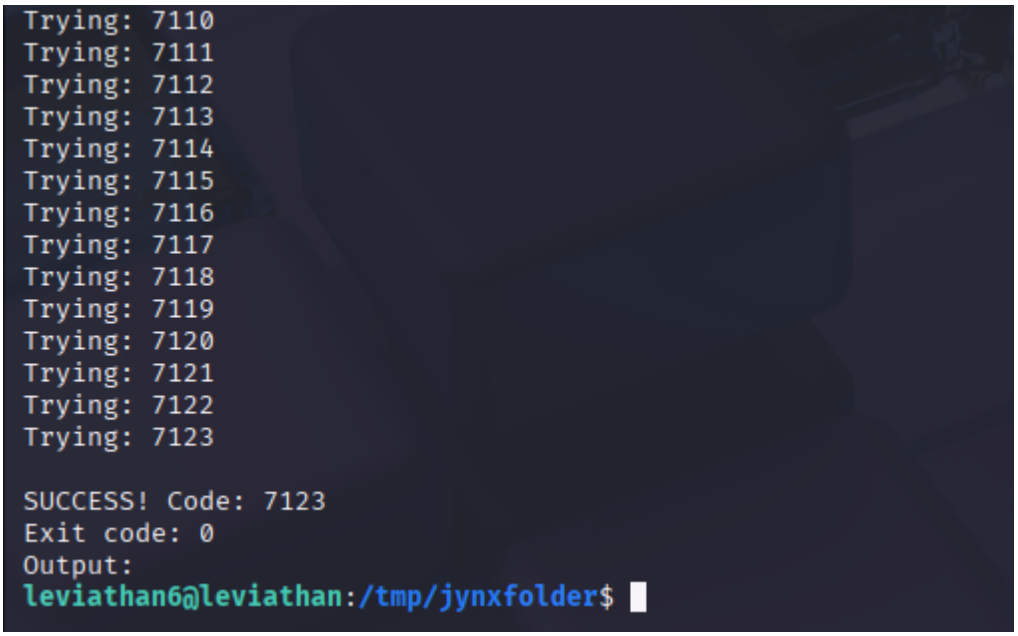


Password [next level]:

```
0dyxT7F4QD
```

▼ Level 6

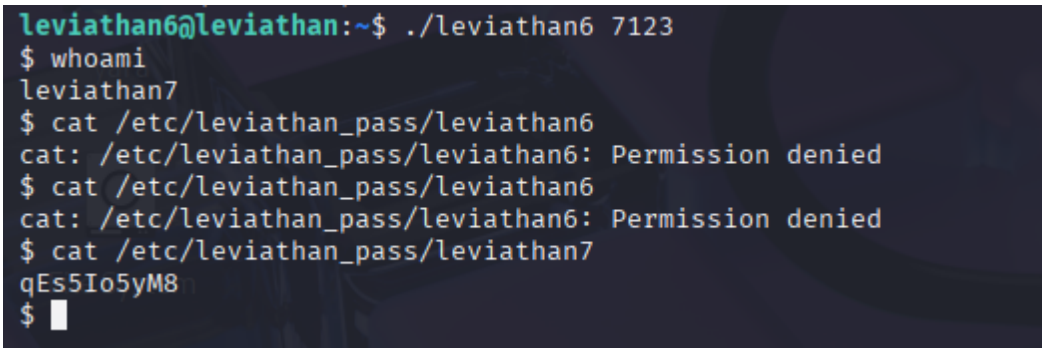




Python Script for brute force:

```
import subprocess
import os

binary_path = os.path.expanduser("~/leviathan6")

for i in range(10000):
    code = f"{i:04d}"
```

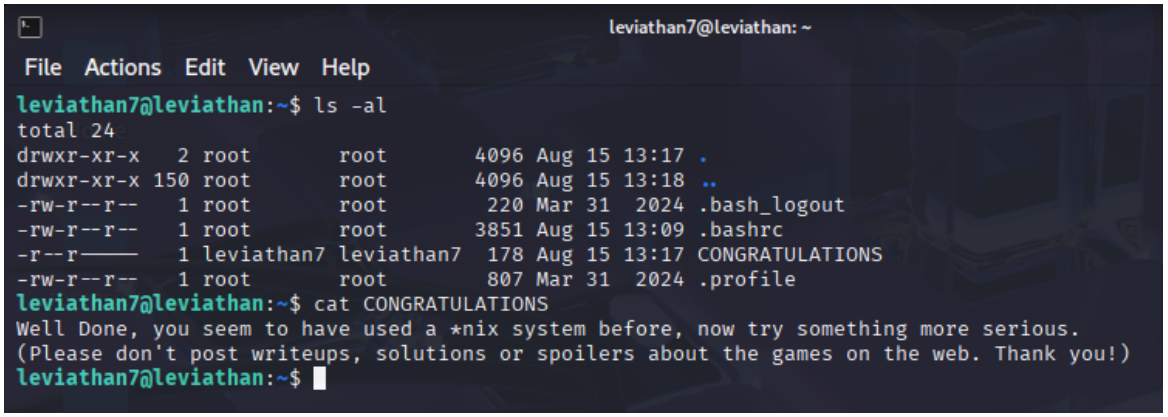
```
    print(f"Trying: {code}")

    try:
        result = subprocess.run(
            [binary_path, code],
            capture_output=True,
            text=True,
            stdin=subprocess.DEVNULL,
            timeout=2
        )
    except subprocess.TimeoutExpired:
        print(f"Timeout on code {code}, skipping...")
        continue

    output = (result.stdout + result.stderr).strip()

    if result.returncode == 0 and "Wrong" not in output:
        print(f"\nSUCCESS! Code: {code}")
        print(f"Exit code: {result.returncode}")
        print(f"Output: {output}")
        break
```



Password [next level]:

```
qEs5Io5yM8
```

▼ Level 7


leviathan7@leviathan: ~
File Actions Edit View Help
leviathan7@leviathan:~$ ls -al
total 24
drwxr-xr-x 2 root root 4096 Aug 15 13:17 .
drwxr-xr-x 150 root root 4096 Aug 15 13:18 ..
-rw-r--r-- 1 root root 220 Mar 31 2024 .bash_logout
-rw-r--r-- 1 root root 3851 Aug 15 13:09 .bashrc
-r--r----- 1 leviathan7 leviathan7 178 Aug 15 13:17 CONGRATULATIONS
-rw-r--r-- 1 root root 807 Mar 31 2024 .profile
leviathan7@leviathan:~$ cat CONGRATULATIONS
Well Done, you seem to have used a *nix system before, now try something more serious.
(Please don't post writeups, solutions or spoilers about the games on the web. Thank you!)
leviathan7@leviathan:~$