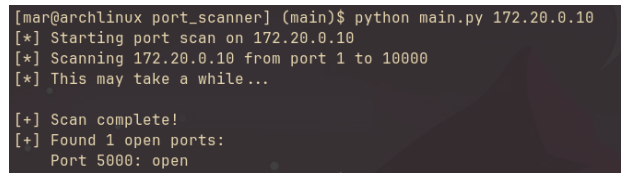# Executive Summary

Part 1: Reconnaissance

Using the initial starter code to verify socket and docker networking working properly, I was able to discover port 5000 on `172.20.0.10` was open.

Figure 1: Basic socket test to find port 5000

Part 2: MITM Attack

Part 3: Security Fixes

Port Knocking

Honeypot

Remediation Recommendations

Conclusion