CYBERIUM ARENA
— SIMULATOR —
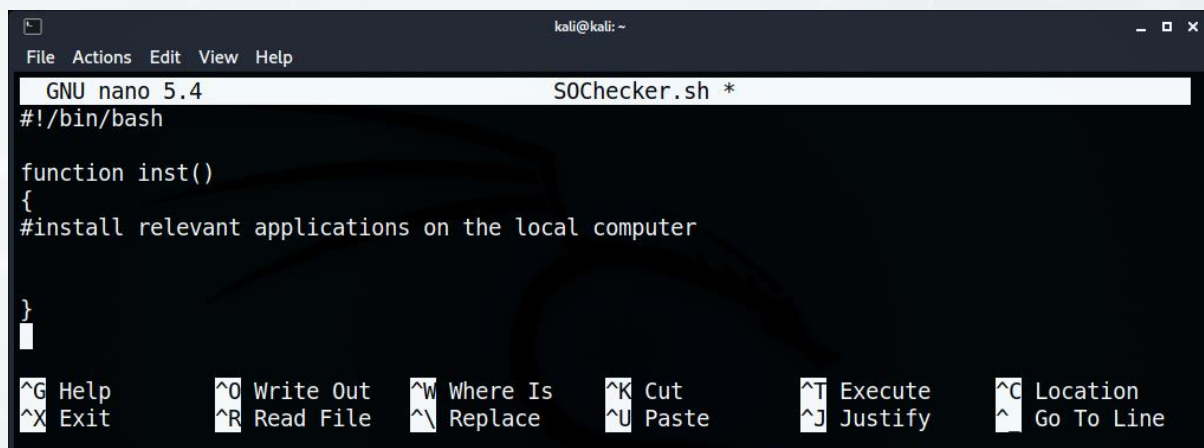
PROJECT

SOC ANALYST

—

SOCHECKER

Objective

Create a script that runs different cyber attacks in a given network to check if monitoring alerts appear.

Functions

1. Installing applications

Install relevant applications on the local computer.

2. Execute network scans and attacks

Allow the user to choose two methods of **scanning** and two different **network attacks** to run via your script.

Available tools: nmap, masscan, msfconsole

```
                                    kali@kali: ~                              _ □ ×
File  Actions  Edit  View  Help
  GNU nano 5.4                        SOChecker.sh *

function chkme()
{
#allow the user to choose different scans and attacks


}
```

3. Log executed Attacks

Every scan or attack should be logged and saved with the date and used arguments.

```
                                    kali@kali: ~                              _ □ ×
File  Actions  Edit  View  Help
  GNU nano 5.4                        SOChecker.sh *

function LOG()
{
#use this function to save results such as date, time, IPs, kind of attack


}

^G Help        ^O Write Out    ^W Where Is    ^K Cut      ^T Execute    ^C Location
^X Exit        ^R Read File    ^\ Replace     ^U Paste    ^J Justify    ^_ Go To Line
```

Comments

1. Use comments in your code to explain.
2. If you are using code from the internet, add credit and links.

Submitting

1. Submit the source code (.sh) and a pdf file with the screenshots proving the functions work.
2. Send the project to the trainer email.
3. In the email subject type **project: SOChecker <student name>**.