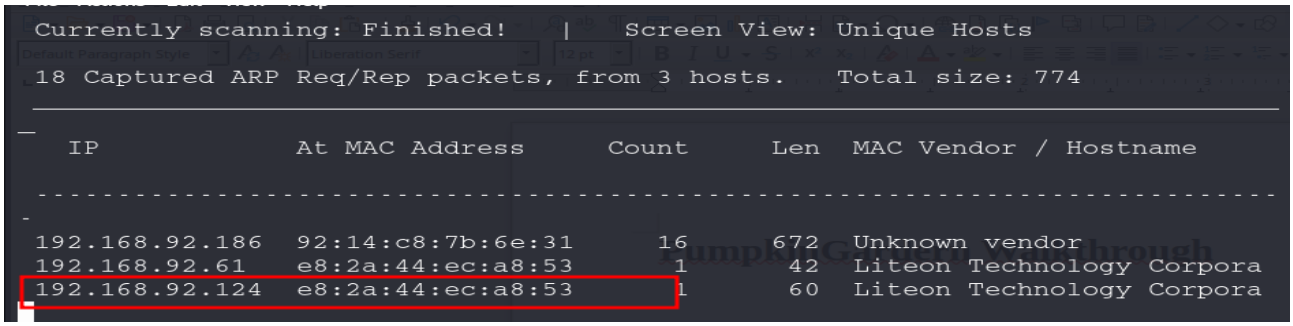
PumpkinGarden Walkthrough

Challenge name(Vm): PumpkinGarden
Category: Writeups
Goal: gain root access
Challenge Points: ---
Year/Date: 24/18

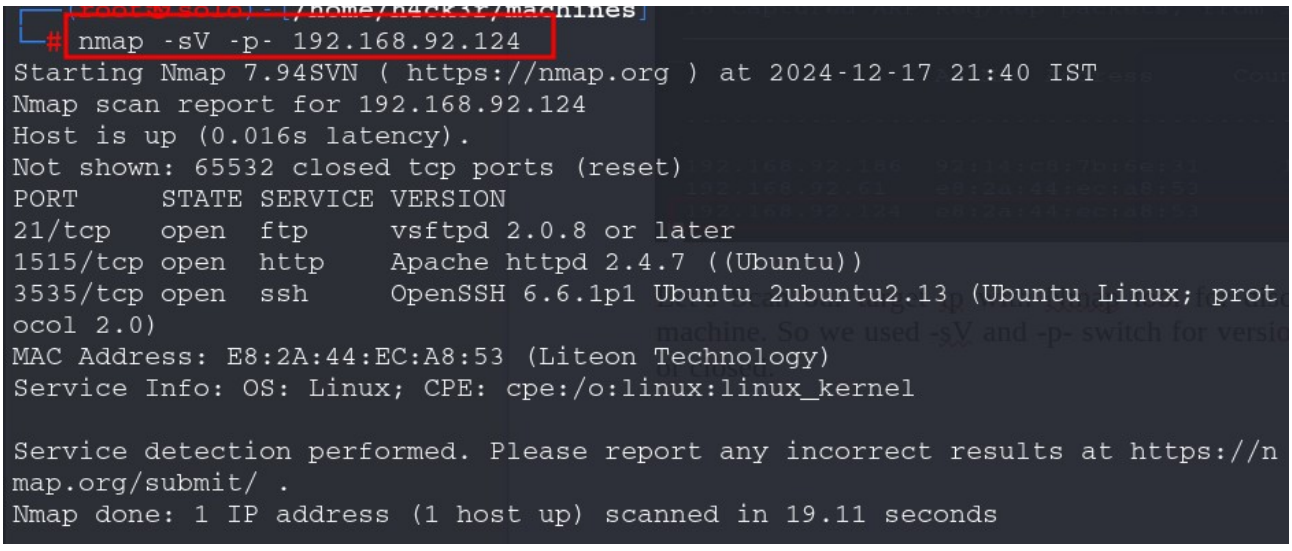
Description: Mission-Pumpkin v1.0 is a beginner level CTF series, created by keeping beginners in mind. This CTF series is for people who have basic knowledge of hacking tools and techniques but struggling to apply known tools. I believe that machines in this series will encourage beginners to learn the concepts by solving problems. PumpkinGarden is Level 1 of series of 3 machines under Mission-Pumpkin v1.0. The end goal of this CTF is to gain access to *PumpkinGarden_key* file stored in the root account.

Hii……, Let's solve the challenge…….

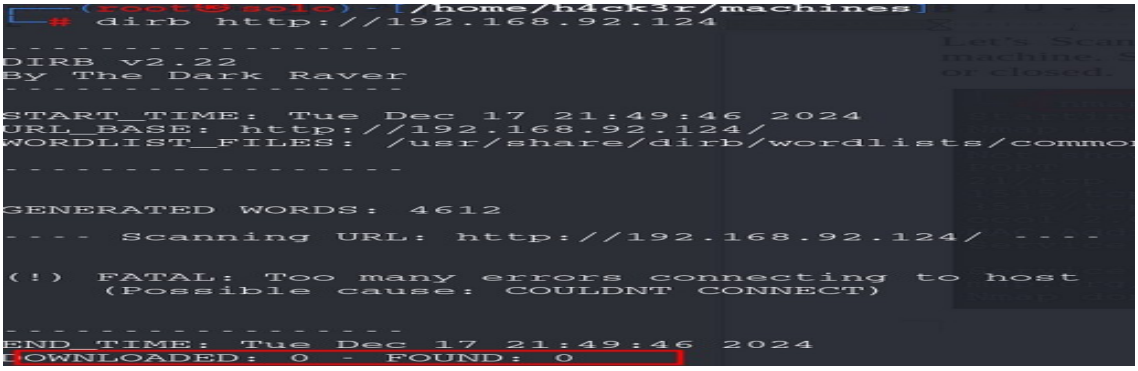
As regularly we do, we first use **netdiscover** command to find ip and mac address of target system. Here from figure our target ip address is 192.168.92.124.



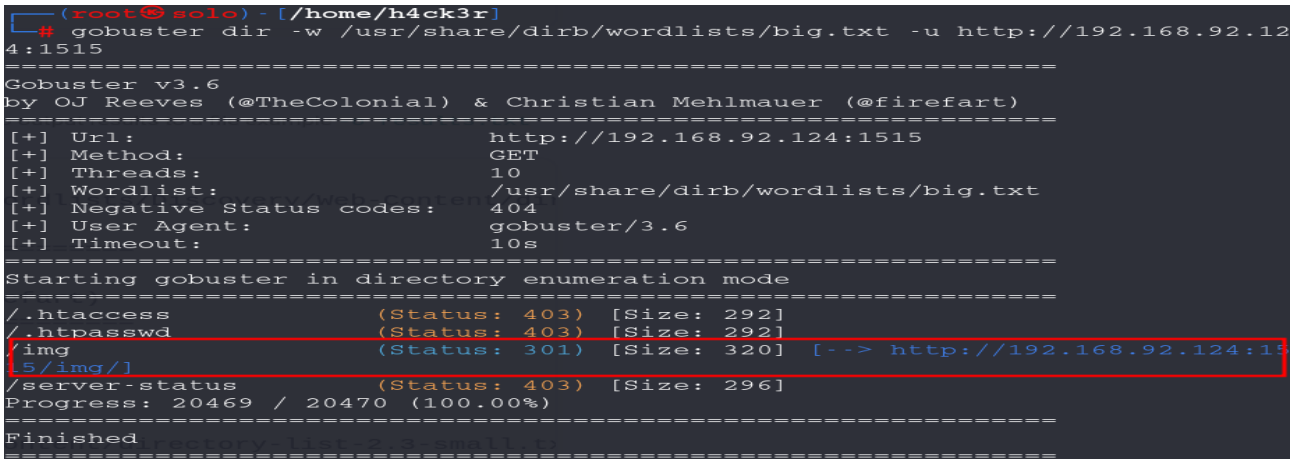
Let's Scan our target ip with Nmap tool for discovering service, version running on our target machine. So we used -sV and -p- switch for version detection and scan 65535 ports which is open or closed.



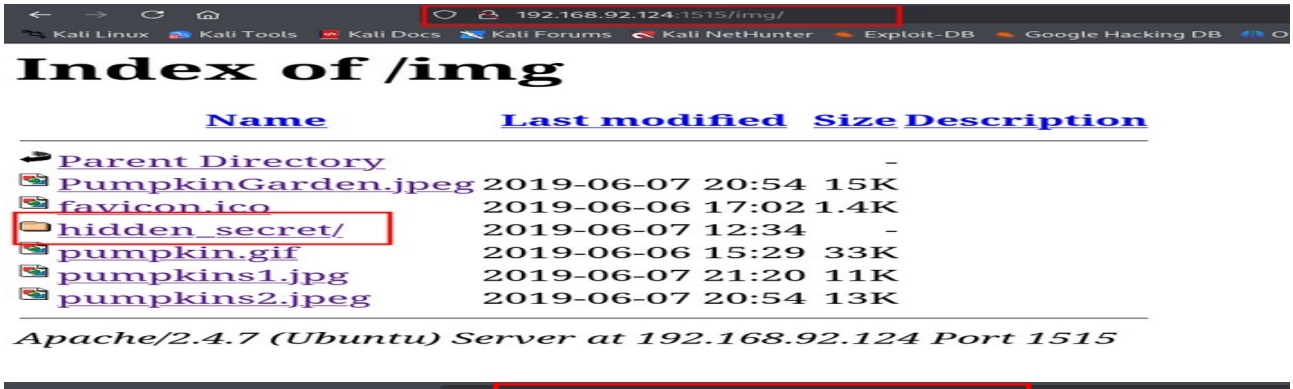
We used dirb tool for http service and we couldn't find anything here. As shown in figure.

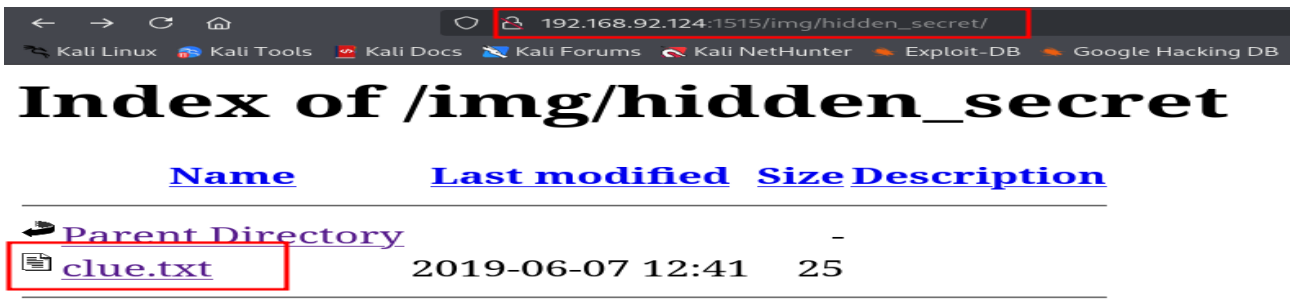


We used gobuster tool and found something interesting img directory. So let's nevigate it.

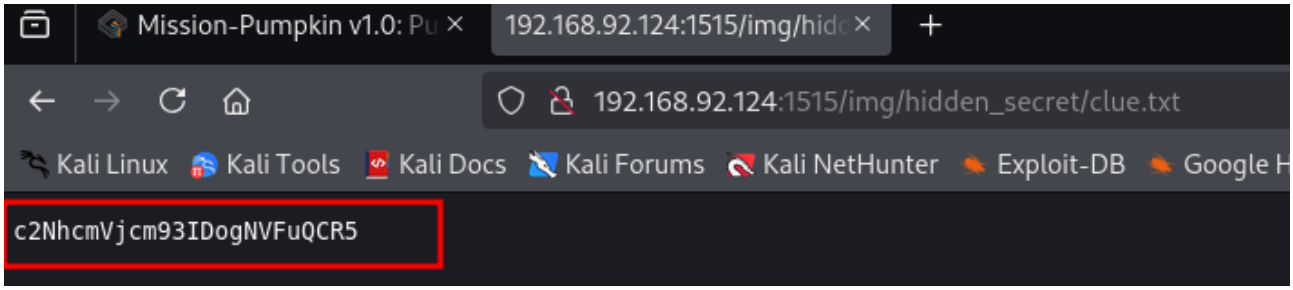


Let's open the web browser and enter http://192.168.92.124:1515/img. We found hidden_secret directory int that we have clue.txt text file. And let's open that clue.txt file and found some secret key.

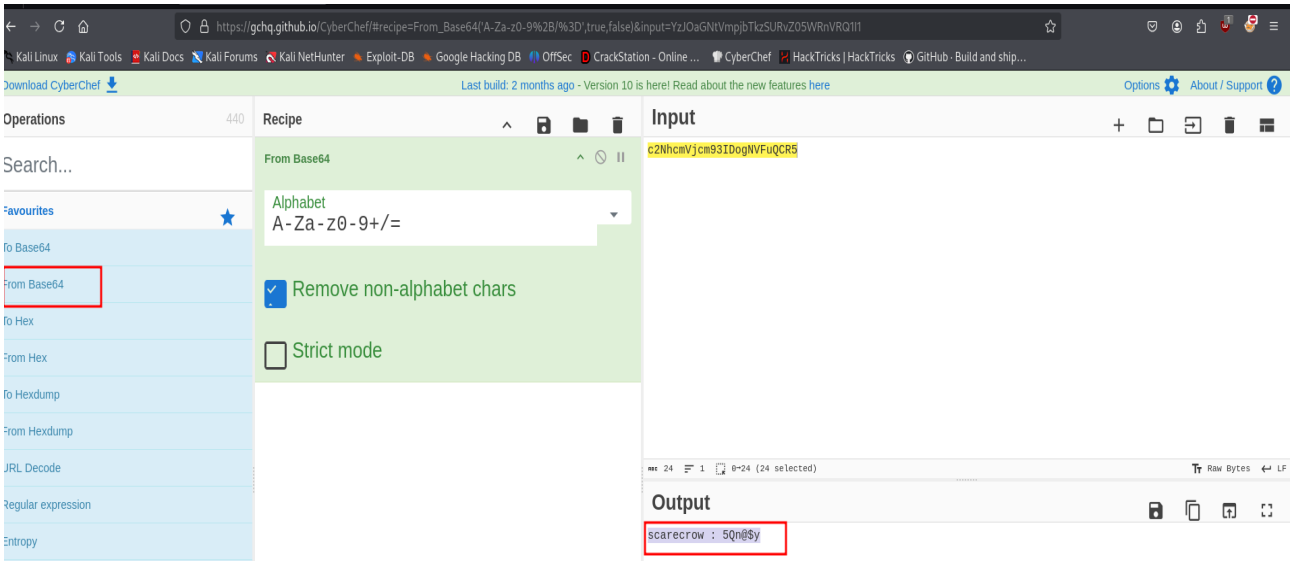




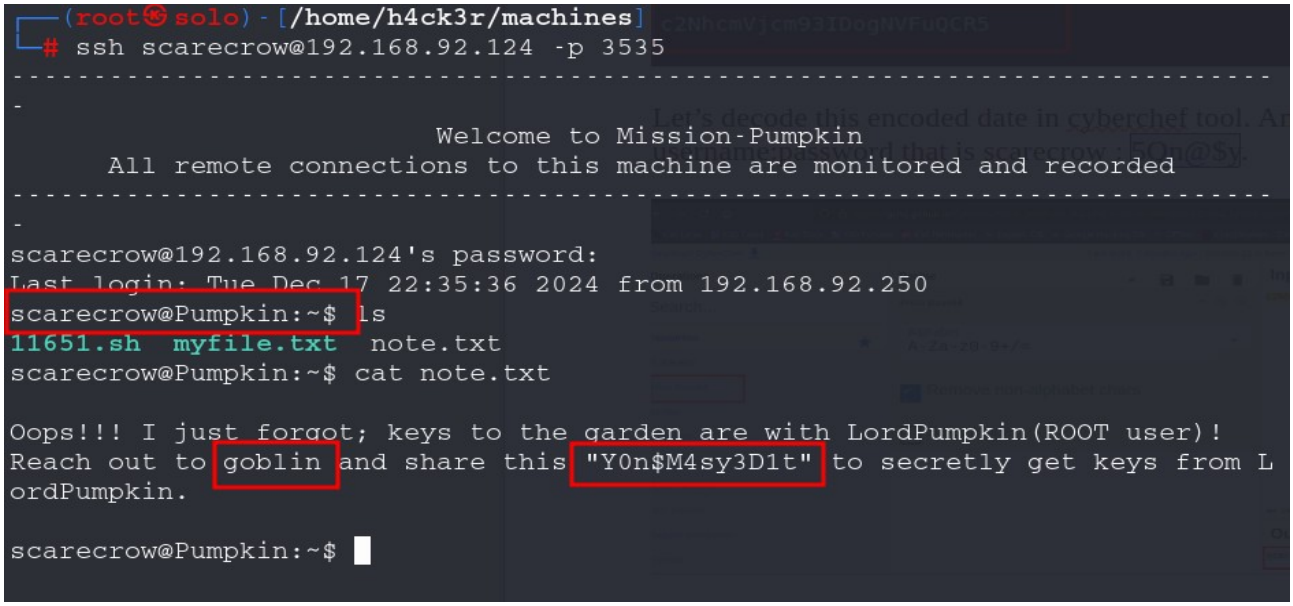
In clue.txt we found encoded data.



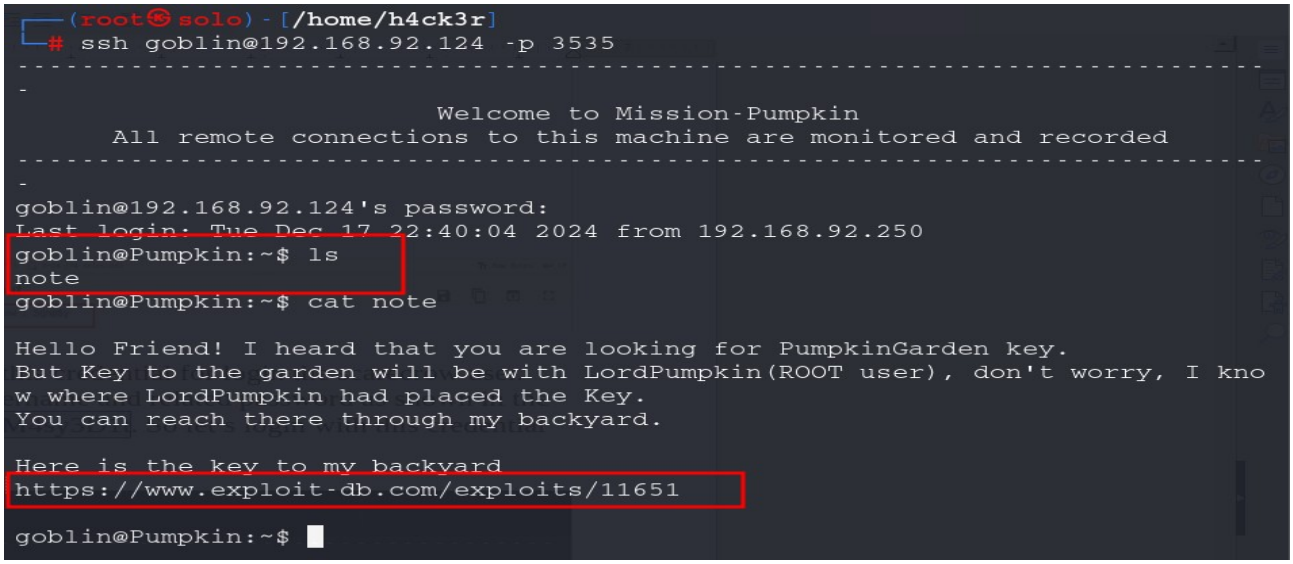
Let's decode this encoded date in cyberchef tool. And choose from base64 decode and we got username:password that is scarecrow : 5Qn@$y.



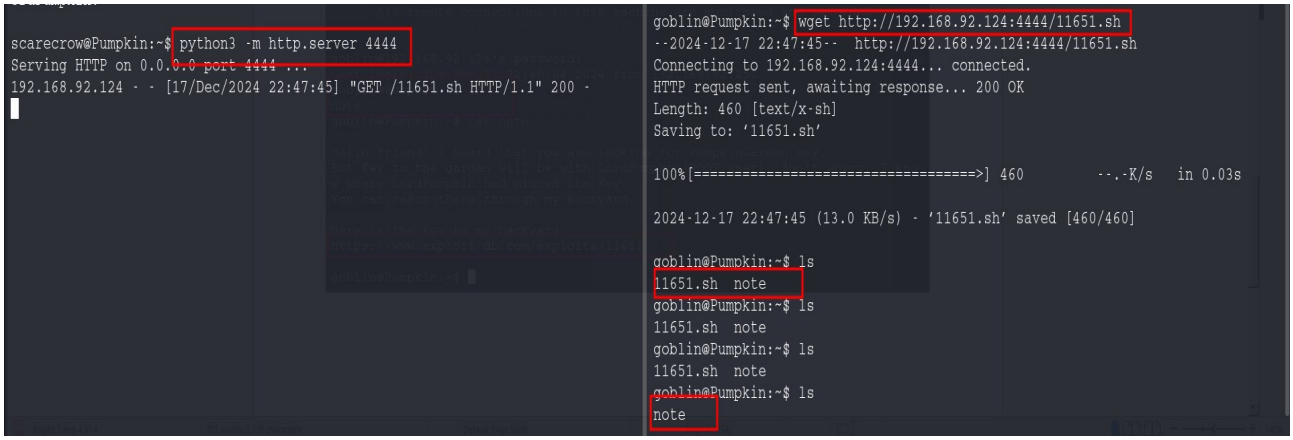
from nmap step we found that ssh is running lets use this credential for login the scarecrow user. And we used cat for note.txt file we found another username and related password as shown in the figure. The username is goblin and password is Y0n$M4sy3D1t. So let's login with this credential from another terminal.



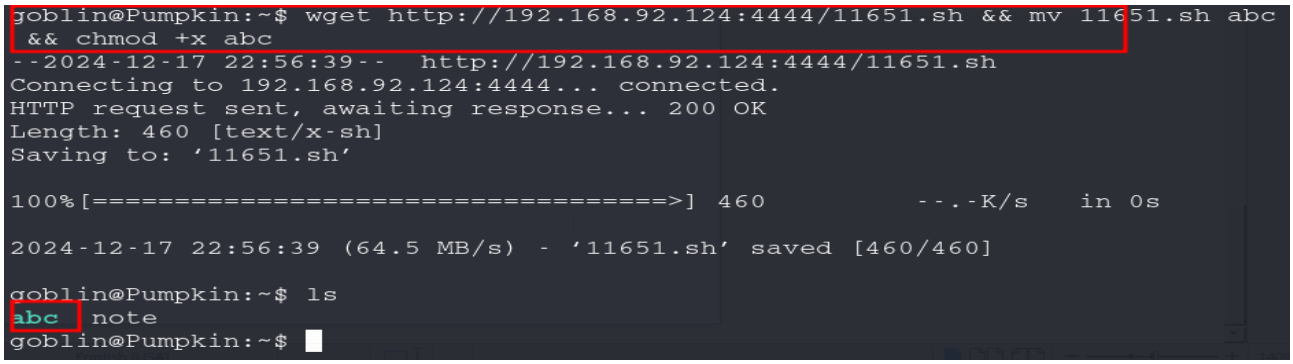
yesss….., we successfully loged in as a goblin. When we used ls command the result is showing note file and I opend with cat command it has some hint for root access so we need to download 11651 from scarecrow user.



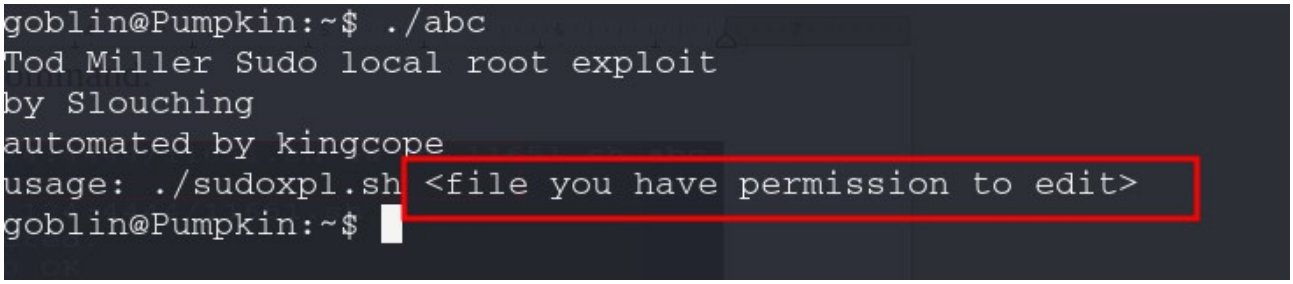
So we run python3 http service from scarecrow user and we downloaded a 11651.sh shell script with the help of wget command and you may observe that after downloading 11651.sh automatically deleted so read that script file and change or rename .sh extension with something else name.



So here we again downloaded with wget command along with changing name of file with changing permission of file with the help of mv and chmod +x command.



So it is asking for file, so let's create dummy file with touch command to create file and give argument with ./abc shell script.



We run as ./abc file so it asked password for goblin then I re-run the program and which is log in as root user then I nevigated to root directory and inside root directory we found root.txt file and I opend that file we found root flag.