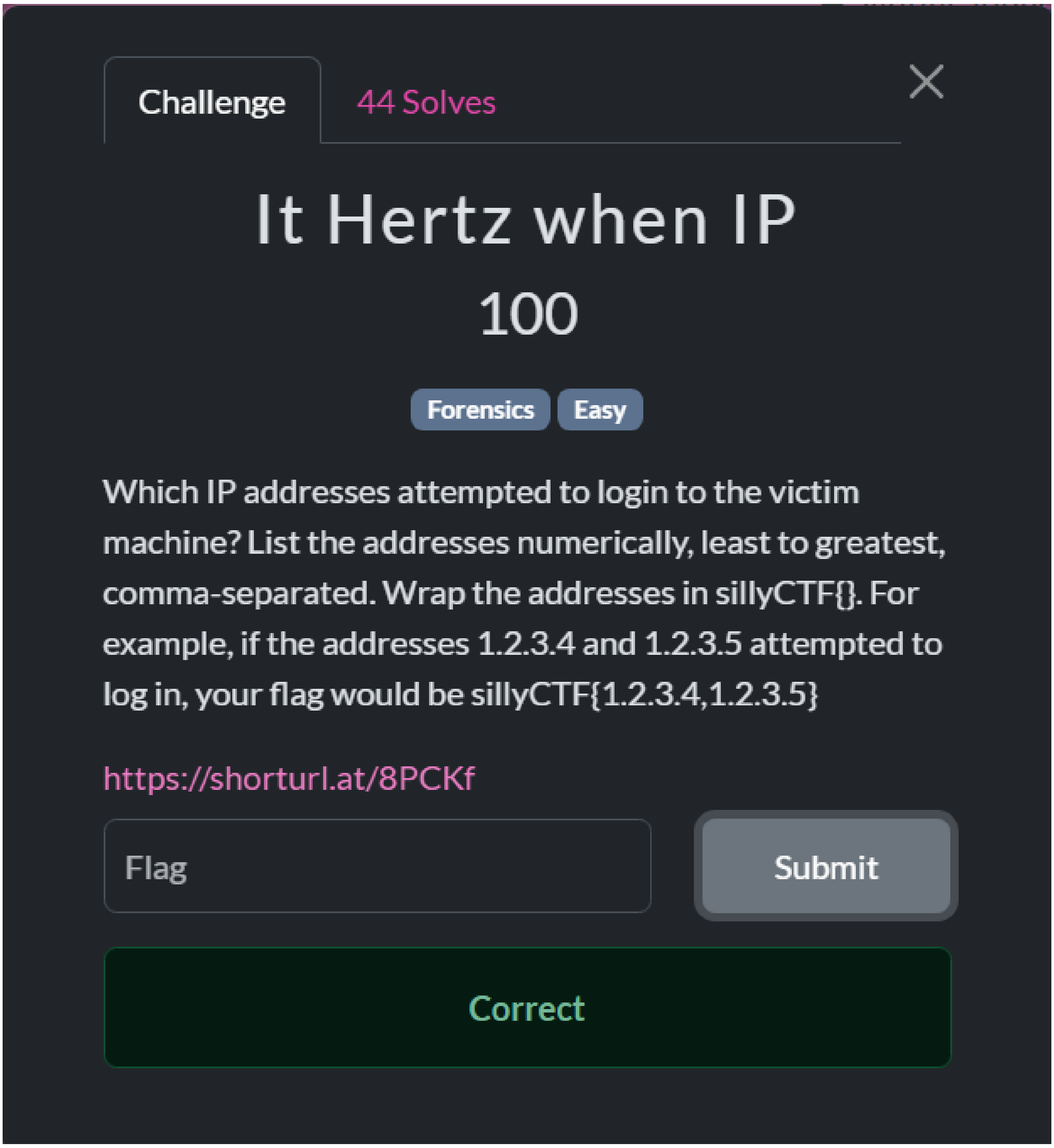


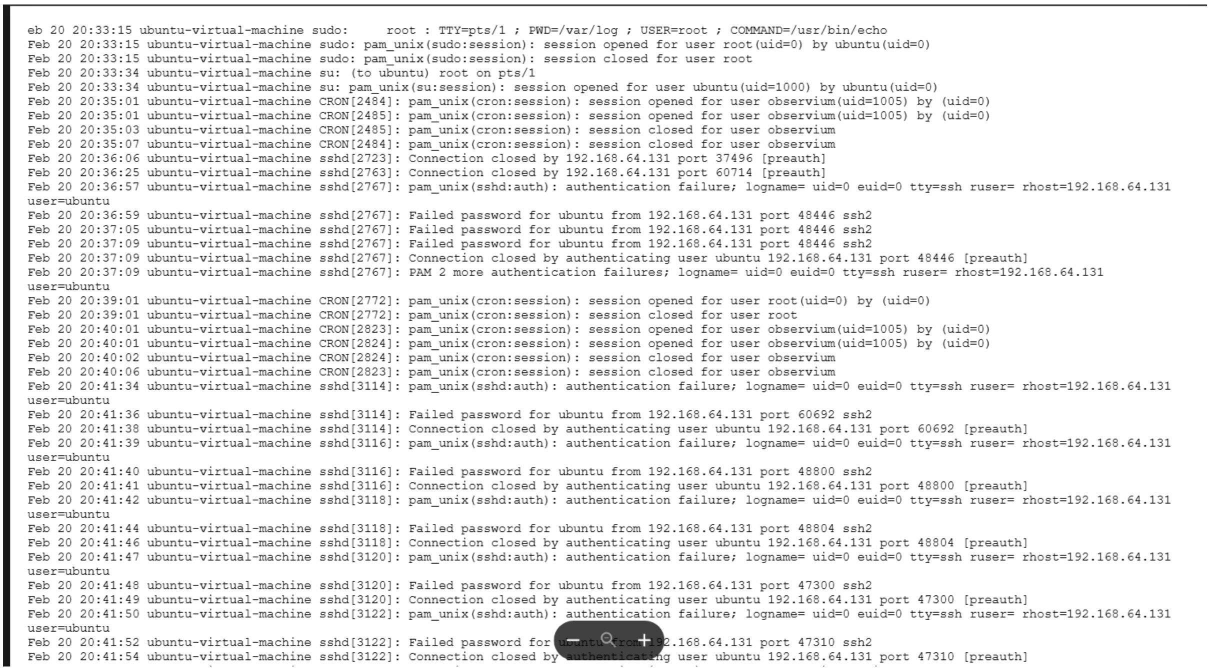
It Hertz when IP

100

Which IP addresses attempted to login to the victim machine? List the addresses numerically, least to greatest, comma-separated. Wrap the addresses in sillyCTF{}. For example, if the addresses 1.2.3.4 and 1.2.3.5 attempted to log in, your flag would be sillyCTF{1.2.3.4,1.2.3.5}

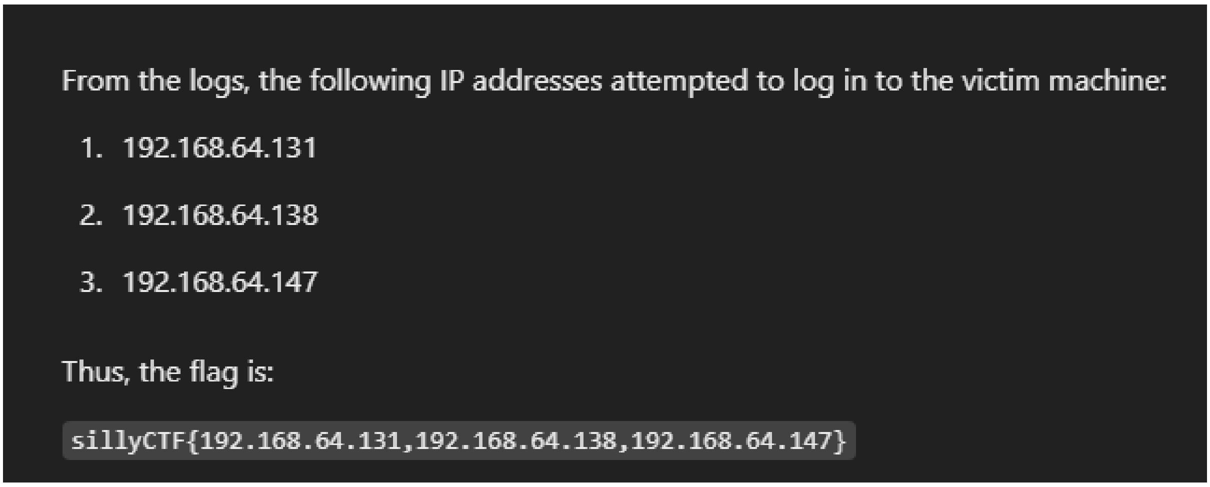
https://shorturl.at/8PCKf

In this question we have been given a log



```
eb 20 20:33:15 ubuntu-virtual-machine sudo:     root : TTY=pts/1 ; PWD=/var/log ; USER=root ; COMMAND=/usr/bin/echo
Feb 20 20:33:15 ubuntu-virtual-machine sudo: pam_unix(sudo:session): session opened for user root(uid=0) by ubuntu(uid=0)
Feb 20 20:33:15 ubuntu-virtual-machine sudo: pam_unix(sudo:session): session closed for user root
Feb 20 20:33:34 ubuntu-virtual-machine su: (to ubuntu) root on pts/1
Feb 20 20:33:34 ubuntu-virtual-machine su: pam_unix(su:session): session opened for user ubuntu(uid=1000) by ubuntu(uid=0)
Feb 20 20:35:01 ubuntu-virtual-machine CRON[2484]: pam_unix(cron:session): session opened for user observium(uid=1005) by (uid=0)
Feb 20 20:35:01 ubuntu-virtual-machine CRON[2485]: pam_unix(cron:session): session opened for user observium(uid=1005) by (uid=0)
Feb 20 20:35:03 ubuntu-virtual-machine CRON[2485]: pam_unix(cron:session): session closed for user observium
Feb 20 20:35:07 ubuntu-virtual-machine CRON[2484]: pam_unix(cron:session): session closed for user observium
Feb 20 20:36:06 ubuntu-virtual-machine sshd[2723]: Connection closed by 192.168.64.131 port 37496 [preauth]
Feb 20 20:36:25 ubuntu-virtual-machine sshd[2763]: Connection closed by 192.168.64.131 port 60714 [preauth]
Feb 20 20:36:57 ubuntu-virtual-machine sshd[2767]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.64.131
user=ubuntu
Feb 20 20:36:59 ubuntu-virtual-machine sshd[2767]: Failed password for ubuntu from 192.168.64.131 port 48446 ssh2
Feb 20 20:37:05 ubuntu-virtual-machine sshd[2767]: Failed password for ubuntu from 192.168.64.131 port 48446 ssh2
Feb 20 20:37:09 ubuntu-virtual-machine sshd[2767]: Failed password for ubuntu from 192.168.64.131 port 48446 ssh2
Feb 20 20:37:09 ubuntu-virtual-machine sshd[2767]: Connection closed by authenticating user ubuntu 192.168.64.131 port 48446 [preauth]
Feb 20 20:37:09 ubuntu-virtual-machine sshd[2767]: PAM 2 more authentication failures; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.64.131
user=ubuntu
Feb 20 20:39:01 ubuntu-virtual-machine CRON[2772]: pam_unix(cron:session): session opened for user root(uid=0) by (uid=0)
Feb 20 20:39:01 ubuntu-virtual-machine CRON[2772]: pam_unix(cron:session): session closed for user root
Feb 20 20:40:01 ubuntu-virtual-machine CRON[2823]: pam_unix(cron:session): session opened for user observium(uid=1005) by (uid=0)
Feb 20 20:40:01 ubuntu-virtual-machine CRON[2824]: pam_unix(cron:session): session opened for user observium(uid=1005) by (uid=0)
Feb 20 20:40:02 ubuntu-virtual-machine CRON[2824]: pam_unix(cron:session): session closed for user observium
Feb 20 20:40:06 ubuntu-virtual-machine CRON[2823]: pam_unix(cron:session): session closed for user observium
Feb 20 20:41:34 ubuntu-virtual-machine sshd[3114]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.64.131
user=ubuntu
Feb 20 20:41:36 ubuntu-virtual-machine sshd[3114]: Failed password for ubuntu from 192.168.64.131 port 60692 ssh2
Feb 20 20:41:38 ubuntu-virtual-machine sshd[3114]: Connection closed by authenticating user ubuntu 192.168.64.131 port 60692 [preauth]
Feb 20 20:41:39 ubuntu-virtual-machine sshd[3116]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.64.131
user=ubuntu
Feb 20 20:41:40 ubuntu-virtual-machine sshd[3116]: Failed password for ubuntu from 192.168.64.131 port 48800 ssh2
Feb 20 20:41:41 ubuntu-virtual-machine sshd[3116]: Connection closed by authenticating user ubuntu 192.168.64.131 port 48800 [preauth]
Feb 20 20:41:42 ubuntu-virtual-machine sshd[3118]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.64.131
user=ubuntu
Feb 20 20:41:44 ubuntu-virtual-machine sshd[3118]: Failed password for ubuntu from 192.168.64.131 port 48804 ssh2
Feb 20 20:41:46 ubuntu-virtual-machine sshd[3118]: Connection closed by authenticating user ubuntu 192.168.64.131 port 48804 [preauth]
Feb 20 20:41:47 ubuntu-virtual-machine sshd[3120]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.64.131
user=ubuntu
Feb 20 20:41:48 ubuntu-virtual-machine sshd[3120]: Failed password for ubuntu from 192.168.64.131 port 47300 ssh2
Feb 20 20:41:49 ubuntu-virtual-machine sshd[3120]: Connection closed by authenticating user ubuntu 192.168.64.131 port 47300 [preauth]
Feb 20 20:41:50 ubuntu-virtual-machine sshd[3122]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.64.131
user=ubuntu
Feb 20 20:41:52 ubuntu-virtual-machine sshd[3122]: Failed password for ubuntu from 192.168.64.131 port 47310 ssh2
Feb 20 20:41:54 ubuntu-virtual-machine sshd[3122]: Connection closed by authenticating user ubuntu 192.168.64.131 port 47310 [preauth]
```

I saw one of it but since im too lazy to filter it one by one I just asked chatgpt to do it for me



From the logs, the following IP addresses attempted to log in to the victim machine:

1. 192.168.64.131
2. 192.168.64.138
3. 192.168.64.147

Thus, the flag is:

`sillyCTF{192.168.64.131,192.168.64.138,192.168.64.147}`

Flag: sillyCTF{192.168.64.131,192.168.64.138,192.168.64.147}