

## Expectation :

You should be able to list the directory contents because of the 770 permissions on hero\_files, which allows read, write, and execute permissions for the owner and group but not for others.

```
ubuntu@ip-172-31-21-141:~$ su - villain
Password:
su: warning: cannot change directory to /home/villain: No such file or directory
$ bash
villain@ip-172-31-21-141:/home/ubuntu$ cd /tmp/hero_files
villain@ip-172-31-21-141:/tmp/hero_files$ ls -l
total 4
-rw-rw-r-- 1 ubuntu heroes 12 May  1 22:46 message.txt
villain@ip-172-31-21-141:/tmp/hero_files$ echo "New message" > /tmp/hero_files/message.txt
bash: /tmp/hero_files/message.txt: Permission denied
villain@ip-172-31-21-141:/tmp/hero_files$
```

## Expectation :

you should be able to write to the /tmp/hero\_files/message.txt without getting access denied error.

```
ubuntu@ip-172-31-21-141:~$ su - villain
Password:
su: warning: cannot change directory to /home/villain: No such file or directory
$ bash
villain@ip-172-31-21-141:/home/ubuntu$ cd /tmp/hero_files
villain@ip-172-31-21-141:/tmp/hero_files$ ls -l
total 4
-rw-rw-r-- 1 ubuntu heroes 12 May  1 23:33 message.txt
villain@ip-172-31-21-141:/tmp/hero_files$ ls
message.txt
villain@ip-172-31-21-141:/tmp/hero_files$ echo "New message" > /tmp/hero_files/message.txt
villain@ip-172-31-21-141:/tmp/hero_files$ cat message.txt
New message
villain@ip-172-31-21-141:/tmp/hero_files$ id
uid=1003(villain) gid=1004(villain) groups=1004(villain),1001(heroes)
villain@ip-172-31-21-141:/tmp/hero_files$
```

Expectation :

You should be able to successfully log into the EC2 machine.

```
lama@lama:~$ ssh -i "hero_key.pub" hero@ec2-3-89-62-80.compute-1.amazonaws.com
Warning: Identity file hero_key.pub not accessible: No such file or directory.
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1008-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Thu May  2 17:01:18 UTC 2024

System load:  0.0               Processes:            112
Usage of /:   24.2% of 6.71GB   Users logged in:     1
Memory usage: 20%              IPv4 address for enX0: 172.31.21.141
Swap usage:   0%

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.

   https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

$ bash
hero@ip-172-31-21-141:~$
```

Student Name: Lama Salah