**Part 1**

1.

cd /usr/local/bin

**octal:** chmod 766 filecheck.sh

**UGO:** chmod u+x filecheck.sh

2.

cd /etc

**octal:** chmod 660 admin.guide

**UGO:** chmod o-r admin.guide

3.

cd /home

**octal:** chmod 755 guest

**UGO:** chmod g-w,o-w guest

4.

cd /home/guest

**octal:** chmod 2755 bin

**Part 2**

┌──(kali㉿kali)-[~]

└─$ ls -l

total 2464

drwxr-sr-x 7 root root 4096 Oct 6 14:23 bluediving

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Desktop

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Documents

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Downloads

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Music

drwxr-xr-x 17 root root 4096 Oct 6 14:32 neovim

-rw-r--r-- 1 root root 2445546 Sep 21 21:32 output.txt

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Pictures

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Public

-rw-r--r-- 1 root root 28880 Sep 21 21:01 snort2.conf

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Templates

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Videos

┌──(kali㉿kali)-[~]

└─$ sudo chmod 777 output.txt

[sudo] password for kali:

┌──(kali㉿kali)-[~]

└─$ ls -l

total 2464

drwxr-sr-x 7 root root 4096 Oct 6 14:23 bluediving

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Desktop

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Documents

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Downloads

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Music

drwxr-xr-x 17 root root 4096 Oct 6 14:32 neovim

-rwxrwxrwx 1 root root 2445546 Sep 21 21:32 output.txt

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Pictures

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Public

-rw-r--r-- 1 root root 28880 Sep 21 21:01 snort2.conf

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Templates

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Videos

┌──(kali㉿kali)-[~]

└─$ sudo chmod u+x snort2.conf

┌──(kali㉿kali)-[~]

└─$ ls -l

total 2464

drwxr-sr-x 7 root root 4096 Oct 6 14:23 bluediving

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Desktop

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Documents

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Downloads

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Music

drwxr-xr-x 17 root root 4096 Oct 6 14:32 neovim

-rwxrwxrwx 1 root root 2445546 Sep 21 21:32 output.txt

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Pictures

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Public

-rwxr--r-- 1 root root 28880 Sep 21 21:01 snort2.conf

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Templates

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Videos

┌──(kali㉿kali)-[~]

└─$ sudo chown kali output.txt

┌──(kali㉿kali)-[~]

└─$ ls -l

total 2464

drwxr-sr-x 7 root root 4096 Oct 6 14:23 bluediving

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Desktop

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Documents

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Downloads

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Music

drwxr-xr-x 17 root root 4096 Oct 6 14:32 neovim

-rwxrwxrwx 1 kali root 2445546 Sep 21 21:32 output.txt

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Pictures

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Public

-rwxr--r-- 1 root root 28880 Sep 21 21:01 snort2.conf

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Templates

drwxr-xr-x 2 kali kali 4096 Sep 21 15:12 Videos

┌──(kali㉿kali)-[~]

└─$ sudo find / -user root -perm -2000

find: ‘/run/user/1000/gvfs’: Permission denied

/run/log/journal

/home/kali/bluediving

find: ‘/proc/31259/task/31259/fd/5’: No such file or directory

find: ‘/proc/31259/task/31259/fdinfo/5’: No such file or directory

find: ‘/proc/31259/fd/6’: No such file or directory

find: ‘/proc/31259/fdinfo/6’: No such file or directory

/usr/local/lib/python2.7

/usr/local/lib/python2.7/site-packages

/usr/local/lib/python2.7/dist-packages

/usr/local/share/fonts

/usr/sbin/unix\_chkpwd

/usr/lib/xorg/Xorg.wrap

/usr/lib/x86\_64-linux-gnu/utempter/utempter

/usr/bin/ssh-agent

/usr/bin/write

/usr/bin/plocate

/usr/bin/crontab

/usr/bin/dotlockfile

/usr/bin/expiry

/usr/bin/wall

/usr/bin/chage

/var/local

/var/mail

/var/log/journal

/var/log/journal/bde17a3d87c749edbdc20e922dc83a7b

/etc/ppp/peers

/etc/chatscripts

┌──(kali㉿kali)-[~]

└─$ sudo find / -perm -2000

find: ‘/run/user/1000/gvfs’: Permission denied

/run/postgresql

/run/log/journal

/home/kali/bluediving

find: ‘/proc/31525/task/31525/fd/5’: No such file or directory

find: ‘/proc/31525/task/31525/fdinfo/5’: No such file or directory

find: ‘/proc/31525/fd/6’: No such file or directory

find: ‘/proc/31525/fdinfo/6’: No such file or directory

/usr/local/lib/python2.7

/usr/local/lib/python2.7/site-packages

/usr/local/lib/python2.7/dist-packages

/usr/local/share/fonts

/usr/sbin/unix\_chkpwd

/usr/lib/xorg/Xorg.wrap

/usr/lib/x86\_64-linux-gnu/utempter/utempter

/usr/bin/ssh-agent

/usr/bin/write

/usr/bin/plocate

/usr/bin/crontab

/usr/bin/dotlockfile

/usr/bin/expiry

/usr/bin/wall

/usr/bin/chage

/var/local

/var/mail

/var/log/mysql

/var/log/journal

/var/log/journal/bde17a3d87c749edbdc20e922dc83a7b

/var/log/snort

/etc/ppp/peers

/etc/chatscripts