Task

Aspect	File (x Permission)	Directory (x Permission)
Function	Execute as a program/script	Access or enter the directory
Impact	Allows running the file	Allows changing into the directory
Requirement	Must be set for a file to be executable	Must be set to list or access contents

```
┌──(root💀kali)-[/tmp/myteam]
└─#

┌──(root💀kali)-[/tmp/myteam]
└─# touch myfile

┌──(root💀kali)-[/tmp/myteam]
└─# chmod 444 myfile

┌──(root💀kali)-[/tmp/myteam]
└─# vim myfile

zsh: suspended  vim myfile

┌──(root💀kali)-[/tmp/myteam]
└─# nano myfile

┌──(root💀kali)-[/tmp/myteam]
└─# ls -la
total 8
dr--------   2 ahmed ahmed 4096 Dec 11 22:13 .
drwxrwxrwt 22 root  root   4096 Dec 11 22:09 ..
-rw--wx--x  1 root  root      0 Dec 11 21:59 mycv
-r--r--r--  1 root  root      0 Dec 11 22:12 myfile
```

```
┌──(root💀kali)-[/tmp/myteam]
└─# pwd
/tmp/myteam

┌──(root💀kali)-[/tmp/myteam]
└─# touch mycv

┌──(root💀kali)-[/tmp/myteam]
└─# ls
mycv

┌──(root💀kali)-[/tmp/myteam]
└─# chmod 751 mycv

┌──(root💀kali)-[/tmp/myteam]
└─# chmod u=rw,g=wx,o=x mycv

┌──(root💀kali)-[/tmp/myteam]
└─# umask
022

┌──(root💀kali)-[/tmp/myteam]
└─# umask 077

┌──(root💀kali)-[/tmp/myteam]
└─# umask
077

┌──(root💀kali)-[/tmp/myteam]
└─#
```

```
┌──(ahmed㊀kali)-[~]
└─$ mkdir /tmp/myteam

┌──(ahmed㊀kali)-[~]
└─$ ls
armitage-tmp  bin    Desktop    Downloads  id_ecdsa.pub  Music         Pictures  Public   smbmap     tools       users.txt  Videos
bash          ctfs   Documents  ffuf       ms2.txt       passwords.txt POC       Script   Templates  tryhackme   victim

┌──(ahmed㊀kali)-[~]
└─$ cd /tmp/myteam

┌──(ahmed㊀kali)-[/tmp/myteam]
└─$ ls

┌──(ahmed㊀kali)-[/tmp/myteam]
└─$ chmod -R 400
chmod: missing operand after '400'
Try 'chmod --help' for more information.

┌──(ahmed㊀kali)-[/tmp/myteam]
└─$ chmod -R 400 myteam
chmod: cannot access 'myteam': No such file or directory

┌──(ahmed㊀kali)-[/tmp/myteam]
└─$ sudo su
[sudo] password for ahmed:
Sorry, try again.
[sudo] password for ahmed:
```

```
┌──(ahmed㊀kali)-[/tmp/myteam]
└─$ sudo su
[sudo] password for ahmed:
Sorry, try again.
[sudo] password for ahmed:
┌──(root㊀kali)-[/tmp/myteam]
└─# chmod -R 4400
chmod: missing operand after '4400'
Try 'chmod --help' for more information.

┌──(root㊀kali)-[/tmp/myteam]
└─# chmod -R 400
chmod: missing operand after '400'
Try 'chmod --help' for more information.

┌──(root㊀kali)-[/tmp/myteam]
└─# chmod -R 400 my team
chmod: cannot access 'my': No such file or directory
chmod: cannot access 'team': No such file or directory

┌──(root㊀kali)-[/tmp/myteam]
└─# chmod -R 400 myteam
chmod: cannot access 'myteam': No such file or directory

┌──(root㊀kali)-[/tmp/myteam]
└─# chmod -R 400 /tmp/myteam

┌──(root㊀kali)-[/tmp/myteam]
└─# pwd
```