

# Lab 8: File Permissions

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## Question 1

```
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $ls -l
total 256
drwxrwxr-x 2 cvfermin cvfermin 4096 May 12 22:52 directory
-rw-rw-r-- 1 cvfermin cvfermin 116 May 12 22:52 file.txt
-rw-rw-r-- 1 cvfermin cvfermin 246608 May 12 22:52 img.png
-rw-rw-r-- 1 cvfermin cvfermin 21 May 12 22:52 program.py
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $chmod g=rw directory/
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $chmod o=r directory/
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $chmod g=rx img.png
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $chmod o=--- img.png
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $chmod o=--- program.py
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $chmod u=rwx file.txt
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $chmod u=rwx file.txt
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $ls -l
total 256
drwxrw-r-- 2 cvfermin cvfermin 4096 May 12 22:52 directory
-rwxrw-r-- 1 cvfermin cvfermin 116 May 12 22:52 file.txt
-rw-r-x--- 1 cvfermin cvfermin 246608 May 12 22:52 img.png
-rw-rw--- 1 cvfermin cvfermin 21 May 12 22:52 program.py
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $
```

## Question 2

```
[cvfermin@CIS106VM]--[~/lab8/question1]
→ $cd ../question2
[cvfermin@CIS106VM]--[~/lab8/question2]
→ $chmod 764 directory/
[cvfermin@CIS106VM]--[~/lab8/question2]
→ $chmod 650 img.png
[cvfermin@CIS106VM]--[~/lab8/question2]
→ $chmod 660 program.py
[cvfermin@CIS106VM]--[~/lab8/question2]
→ $chmod 774 file.txt
[cvfermin@CIS106VM]--[~/lab8/question2]
→ $ls -l
total 256
drwxrw-r-- 2 cvfermin cvfermin 4096 May 12 22:52 directory
-rwxrwxr-- 1 cvfermin cvfermin 217 May 12 22:52 file.txt
-rw-r-x--- 1 cvfermin cvfermin 246607 May 12 22:52 img.png
-rw-rw---- 1 cvfermin cvfermin 21 May 12 22:52 program.py
[cvfermin@CIS106VM]--[~/lab8/question2]
→ $
```

### Question 3

```
[cvfermin@CIS106VM]--[~/lab8/question3]
→ $ls -l
total 256
drwxrwxr-x 2 cvfermin cvfermin 4096 May 12 22:52 directory
-rw-rw-r-- 1 cvfermin cvfermin 123 May 12 22:52 file.txt
-rw-rw-r-- 1 cvfermin cvfermin 246608 May 12 22:52 img.png
-rw-rw-r-- 1 cvfermin cvfermin 21 May 12 22:52 program.py
[cvfermin@CIS106VM]--[~/lab8/question3]
→ $chmod 561 directory/
[cvfermin@CIS106VM]--[~/lab8/question3]
→ $chmod 777 img.png
[cvfermin@CIS106VM]--[~/lab8/question3]
→ $chmod 756 program.py
[cvfermin@CIS106VM]--[~/lab8/question3]
→ $chmod file.txt
chmod: missing operand after 'file.txt'
Try 'chmod --help' for more information.
[⌘]--[cvfermin@CIS106VM]--[~/lab8/question3]
→ $chmod 560 file.txt
[cvfermin@CIS106VM]--[~/lab8/question3]
→ $ls -l
total 256
dr-xrw---x 2 cvfermin cvfermin 4096 May 12 22:52 directory
-r-xrw--- 1 cvfermin cvfermin 123 May 12 22:52 file.txt
-rwxrwxrwx 1 cvfermin cvfermin 246608 May 12 22:52 img.png
-rwxr-xrw- 1 cvfermin cvfermin 21 May 12 22:52 program.py
[cvfermin@CIS106VM]--[~/lab8/question3]
→ $
```

### Question 4

```
[cvfermin@CIS106VM]~/lab8/question4
$ls -l
total 256
drwxrwxr-x 2 cvfermin cvfermin 4096 May 12 22:52 directory
-rw-rw-r-- 1 cvfermin cvfermin 131 May 12 22:52 file.txt
-rw-rw-r-- 1 cvfermin cvfermin 246608 May 12 22:52 img.png
-rw-rw-r-- 1 cvfermin cvfermin 21 May 12 22:52 program.py
[cvfermin@CIS106VM]~/lab8/question4
$chmod u=x,g=wx,o=rw directory/
[cvfermin@CIS106VM]~/lab8/question4
$chmod u=rwx,g=rx,o=--- img.png
[cvfermin@CIS106VM]~/lab8/question4
$chmod u=w,g=x,o=r program.py
[cvfermin@CIS106VM]~/lab8/question4
$chmod u=rx,g=rw,o=wx file.txt
[cvfermin@CIS106VM]~/lab8/question4
$ls -l
total 256
d--x-wxrw- 2 cvfermin cvfermin 4096 May 12 22:52 directory
-r-xrw--wx 1 cvfermin cvfermin 131 May 12 22:52 file.txt
-rwxr-x--- 1 cvfermin cvfermin 246608 May 12 22:52 img.png
--w---xr-- 1 cvfermin cvfermin 21 May 12 22:52 program.py
[cvfermin@CIS106VM]~/lab8/question4
$
```