Lab 8: File Permissions

Question 1 | Use symbolic notation

```
koto@koto:~/lab8/question1$ chmod o=-r program.py
koto@koto:~/lab8/question1$ ls -l
total 256
drwxrw-r-- 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    122 Dec  7 12:10 file.txt
-rw-r-x--- 1 koto koto 246609 Dec  7 12:10 img.png
-rw-rw---- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question1$
```

```
koto@koto:~/lab8/question1$ chmod u=rwx,g=rwx,o=r file.txt
koto@koto:~/lab8/question1$ ls -l
total 256
drwxrw-r-- 2 koto koto   4096 Dec  7 12:10 directory
-rwxrwxr-- 1 koto koto    122 Dec  7 12:10 file.txt
-rw-r-x--- 1 koto koto 246609 Dec  7 12:10 img.png
-rw-rw---- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question1$
```

Question 2 | Use numeric notation

```
koto@koto:~/lab8/question1$ cd ../question2
koto@koto:~/lab8/question2$ ls -l
total 256
drwxrwxr-x 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    308 Dec  7 12:10 file.txt
-rw-rw-r-- 1 koto koto 246606 Dec  7 12:10 img.png
-rw-rw-r-- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question2$ chmod 764 directory
koto@koto:~/lab8/question2$ ls -l
total 256
drwxrw-r-- 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    308 Dec  7 12:10 file.txt
-rw-rw-r-- 1 koto koto 246606 Dec  7 12:10 img.png
-rw-rw-r-- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question2$
```

```
koto@koto: ~/lab8/question2

koto@koto:~/lab8/question2$ ls -l
total 256
drwxrw-r-- 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    308 Dec  7 12:10 file.txt
-rw-rw-r-- 1 koto koto 246606 Dec  7 12:10 img.png
-rw-rw-r-- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question2$ chmod 650 img.png
koto@koto:~/lab8/question2$ ls -l
total 256
drwxrw-r-- 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    308 Dec  7 12:10 file.txt
-rw-r-x--- 1 koto koto 246606 Dec  7 12:10 img.png
-rw-rw-r-- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question2$
```

```
koto@koto:~/lab8/question2$ chmod 660 program.py
koto@koto:~/lab8/question2$ ls -l
total 256
drwxrw-r-- 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    308 Dec  7 12:10 file.txt
-rw-r-x--- 1 koto koto 246606 Dec  7 12:10 img.png
-rw-rw---- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question2$
```

```
koto@koto:~/lab8/question2$ chmod 774 file.txt
koto@koto:~/lab8/question2$ ls -l
total 256
drwxrw-r-- 2 koto koto   4096 Dec  7 12:10 directory
-rwxrwxr-- 1 koto koto    308 Dec  7 12:10 file.txt
-rw-r-x--- 1 koto koto 246606 Dec  7 12:10 img.png
-rw-rw---- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question2$
```

Question 3 | Use numeric notation

```
koto@koto:~/lab8/question2$ cd ../question3
koto@koto:~/lab8/question3$ ls -l
total 256
drwxrwxr-x 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    300 Dec  7 12:10 file.txt
-rw-rw-r-- 1 koto koto 246610 Dec  7 12:10 img.png
-rw-rw-r-- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question3$ chmod 561 directory
koto@koto:~/lab8/question3$ chmod 777 img.png
koto@koto:~/lab8/question3$ chmod 756 program.py
koto@koto:~/lab8/question3$ chmod 560 file.txt
koto@koto:~/lab8/question3$ ls -l
total 256
dr-xrw---x 2 koto koto   4096 Dec  7 12:10 directory
-r-xrw---- 1 koto koto    300 Dec  7 12:10 file.txt
-rwxrwxrwx 1 koto koto 246610 Dec  7 12:10 img.png
-rwxr-xrw- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question3$
```

Question 4 | Use symbolic notation


```
koto@koto:~/lab8/question4$ ls -l
total 256
drwxrwxr-x 2 koto koto   4096 Dec  7 12:10 directory
-rw-rw-r-- 1 koto koto    220 Dec  7 12:10 file.txt
-rw-rw-r-- 1 koto koto 246609 Dec  7 12:10 img.png
-rw-rw-r-- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question4$ chmod u=X,g=wx,o=rw directory
koto@koto:~/lab8/question4$ chmod u=rwx,g=rx,o-r img.png
koto@koto:~/lab8/question4$ chmod u=w,g=x, program.py
chmod: invalid mode: 'u=w,g=x,'
Try 'chmod --help' for more information.
koto@koto:~/lab8/question4$ chmod u=w,g=x program.py
koto@koto:~/lab8/question4$ chmod u=rx,o=wx file.txt
koto@koto:~/lab8/question4$ ls -l
total 256
d--x-wxrw- 2 koto koto   4096 Dec  7 12:10 directory
-r-xrw--wx 1 koto koto    220 Dec  7 12:10 file.txt
-rwxr-x--- 1 koto koto 246609 Dec  7 12:10 img.png
--w---xr-- 1 koto koto     21 Dec  7 12:10 program.py
koto@koto:~/lab8/question4$
```