Lab 8: File Permissions

Question 1 | Use symbolic notation

```
koto@koto: ~/lab8/question1
koto@koto:~/lab8/question1$ ls -l
total 256
drwxrwxr-x 2 koto koto
                     4096 Dec
                               7 12:10 directory
rw-rw-r-- 1 koto koto
                      122 Dec 7 12:10 file.txt
rw-rw-r-- 1 koto koto 246609 Dec
                               7 12:10 img.png
                       21 Dec 7 12:10 program.pv
-rw-rw-r-- 1 koto koto
koto@koto:~/lab8/question1$ chmod g=rw,o=r directory
koto@koto:~/lab8/question1$ ls
directory file.txt img.png_program.pv
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 246609 Dec
                               7 12:10 img.png
-rw-rw-r-- 1 koto koto
                        21 Dec 7 12:10 program.py
koto@koto:~/lab8/question1$
koto@koto:~/lab8/question1$ chmod u=rw,g=rx img.png
koto@koto:~/lab8/question1$ ls -1
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-rw-r-- 1 koto koto
                                7 12:10 program.py
                         21 Dec
koto@koto:~/lab8/question1$ chmod o=--- img.ng
chmod: cannot access 'img.ng': No such file or directory
koto@koto:~/lab8/question1$ chmod o=-r img.png
koto@koto:~/lab8/question1$ ls -l
total 256
drwxrw-r-- 2 koto koto
                       4096 Dec
                                 7 12:10 directory
                        122 Dec 7 12:10 file tyt
-rw-r-x--- 1 koto koto 246609 Dec  7 12:10 img.png
rw-rw-r-- i koto koto — zi bec / iz:iu program.py
koto@koto:~/lab8/question1$
```

```
koto@koto:~/lab8/question1$ chmod o=-r program.py
koto@koto:~/lab8/question1$ is -i
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
 otowkoto.~/tabo/questtonis
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-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
                         21 Dec 7 12:10 program.py
rw-rw-r-- 1 koto koto
oto@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
coto@koto:~/lab8/question2$
                             koto@koto: ~/lab8/question2
coto@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-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
coto@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 ima.nna
 rw-rw---- 1 koto koto
                                   7 12:10 program.py
                           21 Dec
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 director
-rwxrwxr-- 1 koto koto
                          308 Dec 7 12:10 file.txt
-rw-r-x--- 1 koto koto 246606 Dec / 12:10 lmg.png
-rw-rw---- 1 koto koto
                                   7 12:10 program.py
                           21 Dec
koto@koto:~/lab8/question2$
```

```
koto@koto: ~/lab8/question3
 Ħ
koto@koto:~/lab8/question2$ cd ../question3
coto@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

```
ſŦ
                               koto@koto: ~/lab8/question4
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.pv
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$ us -u
total 256
d--x-wxrw- 2 koto koto
                          4096 Dec
                                     7 12:10
-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$
```