Question 1 | Use symbolic notation

```
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $ls -l
total 256
drwxrwxr-x 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    257 May  1 20:43 file.txt
-rw-rw-r-- 1 nouran nouran 246610 May  1 20:43 img.png
-rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $chmod g=rw,o=r directory/
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    257 May  1 20:43 file.txt
-rw-rw-r-- 1 nouran nouran 246610 May  1 20:43 img.png
-rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $chmod g=rx,o=- img.png
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    257 May  1 20:43 file.txt
-rw-r-x--- 1 nouran nouran 246610 May  1 20:43 img.png
-rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $chmod o=- program.py
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    257 May  1 20:43 file.txt
-rw-r-x--- 1 nouran nouran 246610 May  1 20:43 img.png
-rw-rw---- 1 nouran nouran     21 May  1 20:43 program.py
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $chmod u=rwx,g=rwx file.txt
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rwxrwxr-- 1 nouran nouran    257 May  1 20:43 file.txt
-rw-r-x--- 1 nouran nouran 246610 May  1 20:43 img.png
-rw-rw---- 1 nouran nouran     21 May  1 20:43 program.py
┌─[nouran@nouran-VirtualBox]─[~/lab8/question1]
└──  $
```

Question 2 | Use numeric notation

```
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $ls -l
total 256
drwxrwxr-x 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    194 May  1 20:43 file.txt
-rw-rw-r-- 1 nouran nouran 246608 May  1 20:43 img.png
-rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $chmod 764 directory/
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    194 May  1 20:43 file.txt
-rw-rw-r-- 1 nouran nouran 246608 May  1 20:43 img.png
-rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $chmod 650 img.png
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    194 May  1 20:43 file.txt
-rw-r-x--- 1 nouran nouran 246608 May  1 20:43 img.png
-rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $chmod 660 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rw-rw-r-- 1 nouran nouran    194 May  1 20:43 file.txt
-rw-r-x--- 1 nouran nouran 246608 May  1 20:43 img.png
-rw-rw---- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $chmod 774 file.txt
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $ls -l
total 256
drwxrw-r-- 2 nouran nouran   4096 Apr 27 17:23 directory
-rwxrwxr-- 1 nouran nouran    194 May  1 20:43 file.txt
-rw-r-x--- 1 nouran nouran 246608 May  1 20:43 img.png
-rw-rw---- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question2]
──── $
```

Question 3 | Use numeric notation

```
─[nouran@nouran-VirtualBox]─[~/lab8]
── $cd question3
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $ls -l
otal 256
rwxrwxr-x 2 nouran nouran   4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran    140 May  1 20:43 file.txt
rw-rw-r-- 1 nouran nouran 246610 May  1 20:43 img.png
rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $chmod 561 directory/
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $ls -;
s: cannot access '-': No such file or directory
─[x]─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $ls -l
otal 256
r-xrw---x 2 nouran nouran   4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran    140 May  1 20:43 file.txt
rw-rw-r-- 1 nouran nouran 246610 May  1 20:43 img.png
rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $chmod 777 img.png
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $ls -l
otal 256
r-xrw---x 2 nouran nouran   4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran    140 May  1 20:43 file.txt
rwxrwxrwx 1 nouran nouran 246610 May  1 20:43 img.png
rw-rw-r-- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $chmod 756 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $ls -l
otal 256
r-xrw---x 2 nouran nouran   4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran    140 May  1 20:43 file.txt
rwxrwxrwx 1 nouran nouran 246610 May  1 20:43 img.png
rwxr-xrw- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $chmod 560 file.txt
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
── $ls -l
otal 256
r-xrw---x 2 nouran nouran   4096 Apr 27 17:23 directory
r-xrw---- 1 nouran nouran    140 May  1 20:43 file.txt
rwxrwxrwx 1 nouran nouran 246610 May  1 20:43 img.png
rwxr-xrw- 1 nouran nouran     21 May  1 20:43 program.py
─[nouran@nouran-VirtualBox]─[~/lab8/question3]
```

Question 4 | Use symbolic notation

```
 [nouran@nouran-VirtualBox]-[~/lab8]
   $cd question4
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $ls -l
tal 256
rwxrwxr-x 2 nouran nouran    4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran     141 May  1 20:43 file.txt
rw-rw-r-- 1 nouran nouran  246608 May  1 20:43 img.png
rw-rw-r-- 1 nouran nouran      21 May  1 20:43 program.py
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $chmod u=x,g=wx,o=rw directory/
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $ls -;
s: cannot access '-': No such file or directory
 [x]-[nouran@nouran-VirtualBox]-[~/lab8/question4]
   $ls -l
tal 256
 -x-wxrw- 2 nouran nouran    4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran     141 May  1 20:43 file.txt
rw-rw-r-- 1 nouran nouran  246608 May  1 20:43 img.png
rw-rw-r-- 1 nouran nouran      21 May  1 20:43 program.py
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $chmod u=w,g=x,o=r program.py
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $ls -l
tal 256
 -x-wxrw- 2 nouran nouran    4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran     141 May  1 20:43 file.txt
rw-rw-r-- 1 nouran nouran  246608 May  1 20:43 img.png
 -w---xr-- 1 nouran nouran      21 May  1 20:43 program.py
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $chmod u=rwx,g=rx,o=- img.png
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $ls -l
tal 256
 -x-wxrw- 2 nouran nouran    4096 Apr 27 17:23 directory
rw-rw-r-- 1 nouran nouran     141 May  1 20:43 file.txt
rwxr-x--- 1 nouran nouran  246608 May  1 20:43 img.png
 -w---xr-- 1 nouran nouran      21 May  1 20:43 program.py
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $chmod u=rx,g=rw,o=wx file.txt
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $ls -l
tal 256
 -x-wxrw- 2 nouran nouran    4096 Apr 27 17:23 directory
r-xrw--wx 1 nouran nouran     141 May  1 20:43 file.txt
rwxr-x--- 1 nouran nouran  246608 May  1 20:43 img.png
 -w---xr-- 1 nouran nouran      21 May  1 20:43 program.py
 [nouran@nouran-VirtualBox]-[~/lab8/question4]
   $
```