Question 1 | Use symbolic notation

```
nouran@nouran-VirtualBox |-[~/lab8/guestion1]
    $ls -l
otal 256
                             4096 Apr 27 17:23 directory
drwxrwxr-x 2 nouran nouran
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-VirtualBoxl-[~/lab8/guestion1
    $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 q=rx,o=- img.png
  nouran@nouran-VirtualBox | - [~/lab8/question1]
    $ls -l
otal 256
drwxrw-r-- 2 nouran nouran
                             4096 Apr 27 17:23 directory
                              257 May 1 20:43 file.txt
rw-rw-r-- 1 nouran nouran
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
otal 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
otal 256
lrwxrw-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
otal 256
rwxrwxr-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
otal 256
                            4096 Apr 27 17:23 directory
drwxrw-r-- 2 nouran nouran
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
otal 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
  inouran@nouran-VirtualBox |-[~/lab8/question2
    $ls -l
otal 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/guestion2
    $chmod 774 file.txt
  nouran@nouran-VirtualBox |-[~/lab8/question2]
    $ls -1
otal 256
                            4096 Apr 27 17:23 directory
drwxrw-r-- 2 nouran nouran
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
                                      1 20:43 program.py
                              21 May
  nouran@nouran-VirtualBox
                             [~/lab8/question2
```

Question 3 | Use numeric notation

```
nouran@nouran-VirtualBoxj-[~/lab8]
    $cd question3
 nouran@nouran-VirtualBox]-[~/lab8/question3]
    $ls -l
otal 256
                             4096 Apr 27 17:23 directory
rwxrwxr-x 2 nouran nouran
                              140 May 1 20:43 file.txt
rw-rw-r-- 1 nouran nouran
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
  ]-[nouran@nouran-VirtualBox]-[~/lab8/question3]
    $ls -l
otal 256
r-xrw---x 2 nouran nouran
                             4096 Apr 27 17:23 directory
                              140 May 1 20:43 file.txt
rw-rw-r-- 1 nouran nouran
rw-rw-r-- 1 nouran nouran 246610 May 1 20:43 img.png
                             21 May 1 20:43 program.py
rw-rw-r-- 1 nouran nouran
 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
                              140 May 1 20:43 file.txt
rw-rw-r-- 1 nouran nouran
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/guestion3]
   $ls -l
otal 256
r-xrw---x 2 nouran nouran
                             4096 Apr 27 17:23 directory
                              140 May 1 20:43 file.txt
rw-rw-r-- 1 nouran nouran
rwxrwxrwx 1 nouran nouran 246610 May 1 20:43 img.png
                               21 May 1 20:43 program.py
rwxr-xrw- 1 nouran nouran
 nouran@nouran-VirtualBox |- [~/lab8/question3]
    $chmod 560 file.txt
 nouran@nouran-VirtualBox |-[~/lab8/guestion3]
   $ls -l
otal 256
                             4096 Apr 27 17:23 directory
r-xrw---x 2 nouran nouran
r-xrw---- 1 nouran nouran
                              140 May 1 20:43 file.txt
rwxrwxrwx 1 nouran nouran 246610 May 1 20:43 img.png
                               21 May 1 20:43 program.py
rwxr-xrw- 1 nouran nouran
  nouran@nouran-VirtualBox
```

Question 4 | Use symbolic notation

```
nouran@nouran-VirtualBox |- [~/lab8]
   $cd question4
 nouran@nouran-VirtualBox - [~/lab8/question4]
otal 256
rwxrwxr-x 2 nouran nouran 4096 Apr 27 17:23 directory
w-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 -:
: cannot access '-': No such file or directory
  []-[nouran@nouran-VirtualBox]-[~/lab8/question4]
   $ls -1
tal 256
-x-wxrw- 2 nouran nouran 4096 Apr 27 17:23 directory
w-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/guestion4]
   $chmod u=w,g=x,o=r program.py
 | nouran@nouran-VirtualBox|-[~/lab8/guestion4
   $ls -l
otal 256
-x-wxrw- 2 nouran nouran 4096 Apr 27 17:23 directory
w-rw-r-- 1 nouran nouran
                           141 May 1 20:43 file.txt
w-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,q=rx,o=- imq.pnq
 nouran@nouran-VirtualBox |-[~/lab8/question4]
   $ls -l
otal 256
                           4096 Apr 27 17:23 directory
-x-wxrw- 2 nouran nouran
                           141 May 1 20:43 file.txt
w-rw-r-- 1 nouran nouran
wxr-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/guestion4]
   $chmod u=rx,g=rw,o=wx file.txt
 nouran@nouran-VirtualBox |-[~/lab8/guestion4
   $ls -l
otal 256
                           4096 Apr 27 17:23 directory
-x-wxrw- 2 nouran nouran
                           141 May 1 20:43 file.txt
-xrw--wx 1 nouran nouran
wxr-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]
```