**1)**

**4) -rw-r--r-- 1 root root 0 Aug 23 02:39 hello**

6) -rw-r--r-- 1 student2 users 0 Aug 23 01:32 hello

## 2. File and folder permissions

2) drwxr-xr-x 6 student1 student1 4096 Aug 23 02:36 student1

drwxrwx--- 14 student2 student2 4096 Aug 23 02:39 student2

drwxr-xr-x 2 student2 student2 4096 Aug 23 01:41 Desktop

drwxr-xr-x 2 student2 student2 4096 Aug 23 01:41 Documents

drwxr-xr-x 2 student2 student2 4096 Aug 23 01:41 Downloads

-rw-r--r-- 1 student2 users 0 Aug 23 01:32 hello

4) No

5) No

8) No

11) No

12) No

15) yes

16) 764 means 7 = owner has read,write,excute

6 = group has read, write

4 = others can read

## 3. Permission of a symbolic link file

5) lrwxrwxrwx 1 root root 22 Aug 23 03:15 link\_source -> /home/test/temp/source

drwxr-xr-x 2 root root 4096 Aug 23 03:00 temp

6) it contains pointer to the source file

## 4. Default file permission

3) u=rwx,g=rx,o=rx

4) -rw-r--r-- 1 root root 0 Aug 23 03:20 testmask1

6) -rw------- 1 root root 0 Aug 23 03:23 testmask2

5)