

B10523010:~\$ pwd

/home/misstudent

B10523010:~\$ ls -dlt D*/

drwxr-xr-x	2	misstudent	misstudent	4096	Mar	23	09:59	Downloads/
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drwxr-xr-x	2	misstudent	misstudent	4096	Mar	23	09:58	Desktop/
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drwxr-xr-x	2	misstudent	misstudent	4096	Mar	23	09:58	Documents/
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B10523010:~\$

```
Creating home directory '/home/karen' ...
Copying files from '/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for karen
Enter the new value, or press ENTER for the default
    Full Name []: 1111111
    Room Number []: 1111
    Work Phone []: 111
    Home Phone []: 111
    Other []: 11
Is the information correct? [Y/n] 11
B10523010:~$ y
y: command not found
B10523010:~$ logout
bash: logout: not login shell: use `exit`
B10523010:~$ id
uid=1000(misstudent) gid=1000(misstudent) groups=1000(misstudent),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),113(lpadmin),128(sambashare)
B10523010:~$ id karen
uid=1001(karen) gid=1001(karen) groups=1001(karen)
B10523010:~$ clear

B10523010:~$ sudo addgroup music
Adding group 'music' (GID 1002) ...
Done.
B10523010:~$ sudo usermod -a -G music B10523010
usermod: user 'B10523010' does not exist
usermod: user 'misstudent@misstuden' does not exist
B10523010:~$ sudo usermod -a -G music misstudent
B10523010:~$ sudo usermod -a -G music karen
B10523010:~$ id
uid=1000(misstudent) gid=1000(misstudent) groups=1000(misstudent),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),113(lpadmin),128(sambashare)
B10523010:~$ id karen
uid=1001(karen) gid=1001(karen) groups=1001(karen),1002(music)
B10523010:~$ sudo mkdir /usr/local/share/Music
B10523010:~$ ls -ld /usr/local/share/Music
drwxr-xr-x 2 root root 4096 Mar 23 10:28 /usr/local/share/Music
B10523010:~$ sudo chown :music /usr/local/share/Music
B10523010:~$ sudo chown 775 /usr/local/share/Music
B10523010:~$ ls -ld /usr/local/share/Music
drwxr-xr-x 2 775 music 4096 Mar 23 10:28 /usr/local/share/Music
B10523010:~$ > /usr/local/share/Music/test_file
bash: /usr/local/share/Music/test_file: Permission denied
B10523010:~$ ls -l /usr/local/share/Music/
total 0
B10523010:~$ sudo chmod g+s /usr/local/share/Music
B10523010:~$ umask 0002
B10523010:~$ ls -ld /usr/local/share/Music/
drwxr-sr-x 2 775 music 4096 Mar 23 10:28 /usr/local/share/Music/
B10523010:~$ umask 0002
B10523010:~$ rm /usr/local/share/Music/test_file
rm: cannot remove '/usr/local/share/Music/test_file': No such file or directory
B10523010:~$ mkdir /usr/local/share/Music/test_file
mkdir: cannot create directory '/usr/local/share/Music/test_file': Permission denied
B10523010:~$ sudo chown :music /usr/local/share/Music
```

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rm: cannot remove '/usr/local/share/Music/test_file': No such file or directory
B10523010:~$ mkdir /usr/local/share/Music/test_file
mkdir: cannot create directory '/usr/local/share/Music/test_file': Permission denied
B10523010:~$ sudo chown :music /usr/local/share/Music
B10523010:~$ sudo chmod 775 /usr/local/share/Music
chmod: cannot access '/usr/local/share/Music': No such file or directory
B10523010:~$ sudo chmod 775 /usr/local/share/Music
B10523010:~$ ls -ld /usr/local/share/Music
drwxrwxr-x 2 775 music 4096 Mar 23 10:28 /usr/local/share/Music
B10523010:~$ > /usr/local/share/Music/test_file
bash: /usr/local/share/Music/test_file: Permission denied
B10523010:~$ sudo mkdir /usr/local/share/Music/test_file
B10523010:~$ cd /usr/local/share/Music/test_file/
B10523010:/usr/local/share/Music/test_file$ cd ..
B10523010:/usr/local/share/Music$ ls
test_file
B10523010:/usr/local/share/Music$ sudo rm /usr/local/share/Music/test_file
rm: cannot remove '/usr/local/share/Music/test_file': Issudo rm -R /usr/local/share/Music/test_file
B10523010:/usr/local/share/Music$ ls
B10523010:/usr/local/share/Music$ cd
B10523010:~$ sudo rm /usr/local/sha
B10523010:~$
B10523010:~$
B10523010:~$ cd /usr/local/share/M
M/
B10523010:~$ cd /usr/local/share/Music/
B10523010:/usr/local/share/Music$ ls -l
total 0
B10523010:/usr/local/share/Music$ ls -l .
total 0
B10523010:/usr/local/share/Music$ cd ..
B10523010:/usr/local/share$ ls -l
total 32
drwxr-xr-x 2 root root 4096 Jul 20 2016 ca-certificates
drwxrwxr-x 3 root staff 4096 Jul 20 2016 emacs
drwxrwxr-x 2 root staff 4096 Jul 20 2016 fonts
drwxr-xr-x 2 root root 4096 Mar 23 10:10 M
drwxr-xr-x 2 root root 4096 Jul 20 2016 man
drwxrwxr-x 2 775 music 4096 Mar 23 10:45 Music
drwxrwxr-x 7 root staff 4096 Jul 20 2016 sgml
drwxrwxr-x 6 root staff 4096 Jul 20 2016 xml
B10523010:/usr/local/share$ cd Music/
mkdir: cannot create directory 'b10523010_folder': Permission denied
B10523010:/usr/local/share/Music$ ls
B10523010:/usr/local/share/Music$ ls
B10523010:/usr/local/share/Music$ cd ..
B10523010:/usr/local/share$ ls -l
total 32
drwxr-xr-x 2 root root 4096 Jul 20 2016 ca-certificates
drwxrwxr-x 3 root staff 4096 Jul 20 2016 emacs
drwxrwxr-x 2 root staff 4096 Jul 20 2016 fonts
drwxr-xr-x 2 root root 4096 Mar 23 10:10 M
drwxr-xr-x 2 root root 4096 Jul 20 2016 man
drwxrwxr-x 2 775 music 4096 Mar 23 10:45 Music
drwxrwxr-x 7 root staff 4096 Jul 20 2016 sgml
drwxrwxr-x 6 root staff 4096 Jul 20 2016 xml
B10523010:/usr/local/share$ chmod 777 Music/
chmod: changing permissions of 'Music/': Operation not permitted
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```
B10523010:/usr/local/share$ chmod 777 Music/
chmod: changing permissions of 'Music/': Operation not permitted
B10523010:/usr/local/share$ sudo chmod 777 Music/
B10523010:/usr/local/share$ mkdir Music/b10523010_folder
B10523010:/usr/local/share$ cd Music/
B10523010:/usr/local/share/Music$ ls
b10523010_folder
B10523010:/usr/local/share/Music$
B10523010:/usr/local/share/Music$
B10523010:/usr/local/share/Music$
B10523010:/usr/local/share/Music$ CD ..
CD: command not found
B10523010:/usr/local/share/Music$ cd ..          sudo chmod 557 Music/
B10523010:/usr/local/share$ sudo chmod 557 Music/
B10523010:/usr/local/share$ cd Music/
B10523010:/usr/local/share/Music$ mkdir 11
B10523010:/usr/local/share/Music$ cd ..
B10523010:/usr/local/share$ sudo chmod 770 Music/
B10523010:/usr/local/share$ cd Music/
bash: cd: Music/: Permission denied
B10523010:/usr/local/share$ sudo chmod 775 Music/
B10523010:/usr/local/share$ cd Music/
B10523010:/usr/local/share/Music$ ls
11 b10523010_folder
B10523010:/usr/local/share/Music$ mkdir ass
mkdir: cannot create directory 'ass': Permission denied ^C
B10523010:/usr/local/share/Music$ ^C
B10523010:/usr/local/share/Music$ ^C
B10523010:/usr/local/share/Music$ ^C
B10523010:/usr/local/share/Music$ umask 0002
rm: cannot remove '/usr/local/share/M': Is a directory
total 320:/usr/local/share/Music$ ls -l /usr/local/share
drwxr-xr-x 2 root root 4096 Jul 20 2016 ca-certificates
drwxrwsr-x 3 root staff 4096 Jul 20 2016 emacs
drwxrwsr-x 2 root staff 4096 Jul 20 2016 fonts
drwxr-xr-x 2 root root 4096 Mar 23 10:10 M
drwxr-xr-x 2 root root 4096 Jul 20 2016 man
drwxrwsr-x 4 775 music 4096 Mar 23 10:47 Music
drwxrwsr-x 7 root staff 4096 Jul 20 2016 sgml
drwxrwsr-x 6 root staff 4096 Jul 20 2016 xml
total 320:/usr/local/share/Music$ ls -l /usr/local/share
drwxr-xr-x 2 root root 4096 Jul 20 2016 ca-certificates
drwxrwsr-x 3 root staff 4096 Jul 20 2016 emacs
drwxrwsr-x 2 root staff 4096 Jul 20 2016 fonts
drwxr-xr-x 2 root root 4096 Mar 23 10:10 M
drwxr-xr-x 2 root root 4096 Jul 20 2016 man
drwxrwsr-x 4 775 music 4096 Mar 23 10:47 Music
drwxrwsr-x 7 root staff 4096 Jul 20 2016 sgml
drwxrwsr-x 6 root staff 4096 Jul 20 2016 xml
B10523010:/usr/local/share/Music$ cd
B10523010:~$ ls -l /usr/local/share/Music
ls: invalid option -- '/'
Try 'ls --help' for more information.
B10523010:~$ ls -l /usr/local/share/Music
total 8
drwxrwsr-x 2 misstudent music 4096 Mar 23 10:47 11
drwxrwsr-x 2 misstudent music 4096 Mar 23 10:47 b10523010_folder
B10523010:~$ re /usr/local/share/Music/11
```



```
B10523010:/usr/local/share$ sudo chmod 557 Music/
B10523010:/usr/local/share$ cd Music/
B10523010:/usr/local/share/Music$ mkdir 11
B10523010:/usr/local/share/Music$ cd ..
B10523010:/usr/local/share$ sudo chmod 770 Music/
B10523010:/usr/local/share$ cd Music/
bash: cd: Music/: Permission denied
B10523010:/usr/local/share$ sudo chmod 775 Music/
B10523010:/usr/local/share$ cd Music/
B10523010:/usr/local/share/Music$ ls
11 b10523010_folder
B10523010:/usr/local/share/Music$ mkdir ass
mkdir: cannot create directory 'ass': Permission denied ^C
B10523010:/usr/local/share/Music$ ^C
B10523010:/usr/local/share/Music$ ^C
B10523010:/usr/local/share/Music$ umask 0002
rm: cannot remove '/usr/local/share/M': Is a directory
total 320:/usr/local/share/Music$ ls -l /usr/local/share
drwxr-xr-x 2 root root 4096 Jul 20 2016 ca-certificates
drwxrwsr-x 3 root staff 4096 Jul 20 2016 emacs
drwxrwsr-x 2 root staff 4096 Jul 20 2016 fonts
drwxr-xr-x 2 root root 4096 Mar 23 10:10 M
drwxr-xr-x 2 root root 4096 Jul 20 2016 man
drwxrwsr-x 4 775 music 4096 Mar 23 10:47 Music
drwxrwsr-x 7 root staff 4096 Jul 20 2016 sgml
drwxrwsr-x 6 root staff 4096 Jul 20 2016 xml
total 320:/usr/local/share/Music$ ls -l /usr/local/share
drwxr-xr-x 2 root root 4096 Jul 20 2016 ca-certificates
drwxrwsr-x 3 root staff 4096 Jul 20 2016 emacs
drwxrwsr-x 2 root staff 4096 Jul 20 2016 fonts
drwxr-xr-x 2 root root 4096 Mar 23 10:10 M
drwxr-xr-x 2 root root 4096 Jul 20 2016 man
drwxrwsr-x 4 775 music 4096 Mar 23 10:47 Music
drwxrwsr-x 7 root staff 4096 Jul 20 2016 sgml
drwxrwsr-x 6 root staff 4096 Jul 20 2016 xml
B10523010:/usr/local/share/Music$ cd
B10523010:~$ ls -l /usr/local/share/Music
ls: invalid option -- '/'
Try 'ls --help' for more information.
B10523010:~$ ls -l /usr/local/share/Music
total 8
drwxrwsr-x 2 misstudent music 4096 Mar 23 10:47 11
drwxrwsr-x 2 misstudent music 4096 Mar 23 10:47 b10523010_folder
B10523010:~$ re /usr/local/share/Music/11
The program 're' is currently not installed. You can install it by typing:
sudo apt install re
B10523010:~$ sudo rm /usr/local/share/Music/11
rm: cannot remove '/usr/local/share/Music/11': Is a directory
B10523010:~$ sudo mkdir /usr/local/share/Music/test_file
bash: share/Music/test_file: No such file or directory
B10523010:~$ ls -l /usr/local/share/Music
total 16
drwxrwsr-x 2 misstudent music 4096 Mar 23 10:47 11
drwxrwsr-x 2 misstudent music 4096 Mar 23 10:47 b10523010_folder
drwxr-sr-x 2 root music 4096 Mar 23 10:57 test_file
drwxr-sr-x 2 root music 4096 Mar 23 10:57 test_file
B10523010:~$
```