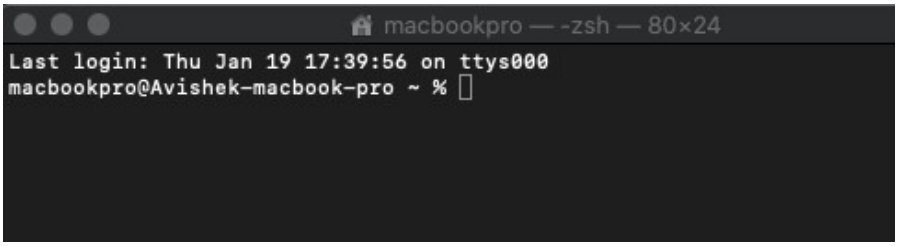
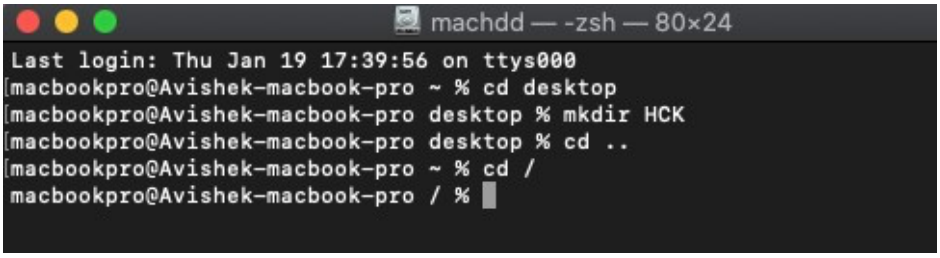
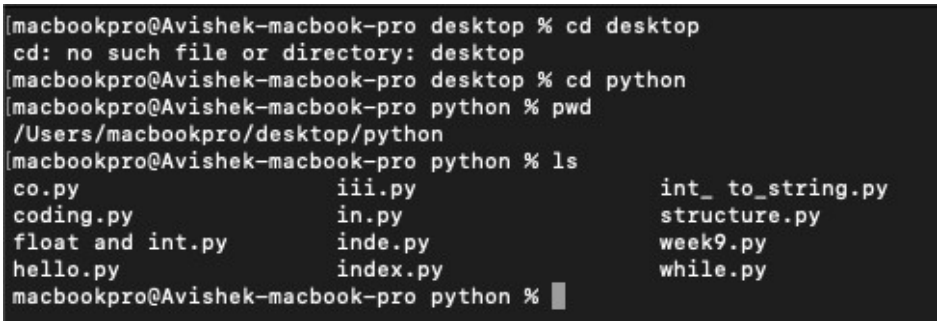
Instruction:
Complete all questions in 2 hrs.
Start the Terminal program from the top menu bar (Applications -> Accessories -> Terminal).



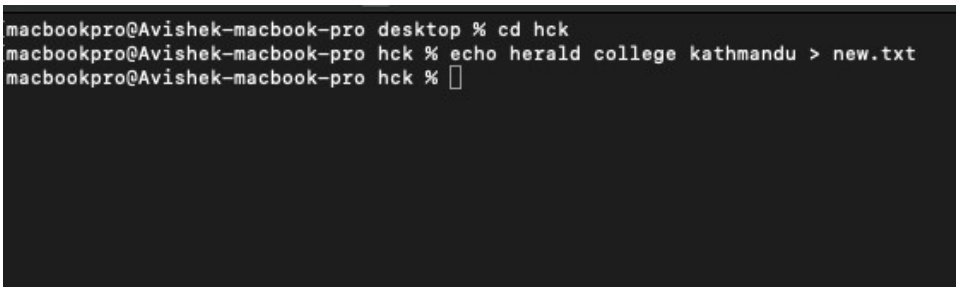
Use commands cd, cd .. , cd / to navigate through the directories. Create the directory HCK in the desktop.



Write the command to print current working directory. List the files and directories in the current working directories. Insert the image of your terminal here.



Create New.txt file containing text “Herald College Kathmandu”, in the HCK directory.



Delete New.txt file from HCK directory.

```
Last login: Fri Jan 20 21:11:26 on ttys000
macbookpro@Avishek-macbook-pro ~ % cd desktop
macbookpro@Avishek-macbook-pro desktop % cd hck
macbookpro@Avishek-macbook-pro hck % ls
new.txt
macbookpro@Avishek-macbook-pro hck % rm new.txt
macbookpro@Avishek-macbook-pro hck %
```

Remove directory HCK from the Desktop.

```
macbookpro@Avishek-macbook-pro desktop % rm -r hck
macbookpro@Avishek-macbook-pro desktop %
```

Create directory Kathmandu in the desktop containing file Swayambhu.txt,
Rename Swayambhu.txt as Barahi.txt

```
macbookpro@Avishek-macbook-pro desktop % mkdir kathmandu
macbookpro@Avishek-macbook-pro desktop % cd kathmandu
macbookpro@Avishek-macbook-pro kathmandu % echo > swayambu.txt
macbookpro@Avishek-macbook-pro kathmandu % mv swayambu.txt barahi.txt
macbookpro@Avishek-macbook-pro kathmandu %
```

Create Directory Pokhara in the Desktop and move Bahari.txt of directory Kathmandu in directory Pokhara.

```
macbookpro@Avishek-macbook-pro kathmandu % ls
barahi.txt
macbookpro@Avishek-macbook-pro kathmandu % mv barahi.txt ~/pokhara
macbookpro@Avishek-macbook-pro kathmandu % cd ..
macbookpro@Avishek-macbook-pro desktop % cd pokhara
macbookpro@Avishek-macbook-pro pokhara % ls
macbookpro@Avishek-macbook-pro pokhara % la -a
zsh: command not found: la
macbookpro@Avishek-macbook-pro pokhara % ls-a
zsh: command not found: ls-a
macbookpro@Avishek-macbook-pro pokhara % ls -a
.       ..
macbookpro@Avishek-macbook-pro pokhara %
```

What is the command to list all the invisible files and to display the directories in detail?

```
macbookpro@Avishek-macbook-pro desktop % ls -al
total 2744
-rw-r--r--@  1 macbookpro  staff   15619 Jan 15 15:44  interview acadmanic.docx
drwxr-xr-x   3 macbookpro  staff      96 Nov 10 08:45 $RECYCLE.BIN
drwxr-xr-x@ 21 macbookpro  staff     672 Jan  1 22:48 -
drwx------@ 36 macbookpro  staff    1152 Jan 20 21:54 .
drwxr-xr-x+ 55 macbookpro  staff    1760 Jan 20 21:46 ..
-rw-r--r--@  1 macbookpro  staff   14340 Jan 20 21:52 .DS_Store
-rw-r--r--   1 macbookpro  staff       0 Sep  9  2021 .localized
-rw-r--r--   1 macbookpro  staff      39 Jan 17 13:49 .text
drwxrwxrwx@ 46 macbookpro  staff    1472 Jan  1 22:48 A
-rw-r--r--@  1 macbookpro  staff  215598 Jan 19 19:56 Abhishek K.C._np03cs4a220181_Wps6.docx
-rw-r--r--@  1 macbookpro  staff   60425 Jan 19 23:57 Example Graduate Application Form (1).docx
-rw-r--r--@  1 macbookpro  staff   98486 Jan 19 23:57 Example Graduate Application Form (1).pdf
-rw-r--r--@  1 macbookpro  staff   11280 Jan  7 10:40 Untitled.png
-rw-r--r--@  1 macbookpro  staff  308128 Jan 20 19:55 Week-9-Workshop-09.pdf
-rw-r--r--@  1 macbookpro  staff   13643 Jan 20 19:51 acadamic week 9.docx
-rw-r--r--   1 macbookpro  staff     282 Nov 10 12:14 desktop.ini
-rw-r--r--@  1 macbookpro  staff       0 Jan 20 21:51 filename1.txt
-rw-r--r--@  1 macbookpro  staff       0 Jan 20 21:51 filename2.txt
drwxr-xr-x   7 macbookpro  staff     224 Dec  5 18:25 first sem
drwxr-xr-x   4 macbookpro  staff     128 Jan  1 22:48 fun pro
drwxr-xr-x@  5 macbookpro  staff     160 Jan 17 10:01 java.script
-rw-r--r--@  1 macbookpro  staff     176 Jan 20 21:52 new.filename1.txt
drwxr-xr-x   7 macbookpro  staff     224 Jan  1 22:49 photo
drwxr-xr-x@ 14 macbookpro  staff     448 Jan 18 10:15 python
-rw-r--r--@  1 macbookpro  staff  244821 Jan 18 20:39 python week 9.docx
-rw-r--r--@  1 macbookpro  staff  350960 Jan 20 21:54 workshop 9 fundamental.docx
-rw-r--r--@  1 macbookpro  staff     165 Dec 25 12:11 ~$Presentation4.pptx
-rw-r--r--@  1 macbookpro  staff     162 Dec 19 09:47 ~$ek blog .docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 10 21:42 ~$hinav KC (1).docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 29 18:58 ~$hishekK.C._2330790_Wps05.docx.docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 10 22:27 ~$obal Warming.docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 21 22:29 ~$rgesort_np03cs4a220181.pdf
-rw-r--r--@  1 macbookpro  staff     162 Jan 20 20:24 ~$rkshop 9 fundamental.docx
-rw-r--r--@  1 macbookpro  staff     162 Oct 10 13:53 ~$sop.docx
-rw-r--r--@  1 macbookpro  staff     162 Jan 17 16:01 ~$torial Task acadamic.docx
-rw-r--r--@  1 macbookpro  staff     162 Dec  5 07:27 ~$ver_Page (2).docx
macbookpro@Avishek-macbook-pro desktop %
```

What is the command to make a directory named IPHONE and IPAD and remove the directory named IPAD?

```
macbookpro@Avishek-macbook-pro desktop % mkdir iphone ipad
macbookpro@Avishek-macbook-pro desktop % rm -r ipad
macbookpro@Avishek-macbook-pro desktop %
```

Create file hck.txt containing text “Herald College Kathmandu” and another file hck1.txt containing text “Sanugaucharan, Naxal” concatenate these two files and give name HCK.txt.

```
macbookpro@Avishek-macbook-pro desktop % echo herald college ktm >hack.txt
macbookpro@Avishek-macbook-pro desktop % echo sanugaucharan,naxal >hack1.txt
macbookpro@Avishek-macbook-pro desktop % cat hack.txt
herald college ktm
macbookpro@Avishek-macbook-pro desktop % cat hack1.txt
sanugaucharan,naxal
macbookpro@Avishek-macbook-pro desktop % cd hck
macbookpro@Avishek-macbook-pro hck % ls
hack.txt        hack1.txt
macbookpro@Avishek-macbook-pro hck %
```

Create filename1.txt and filename2.txt in the Desktop and create compressed file new.zip which contains filename1.txt and filename2.txt.

```
[macbookpro@Avishek-macbook-pro desktop % touch filename1.txt
[macbookpro@Avishek-macbook-pro desktop % touch filename2.txt
[macbookpro@Avishek-macbook-pro desktop % zip new.filename1.txt filename2.txt
  adding: filename2.txt (stored 0%)
 macbookpro@Avishek-macbook-pro desktop %
```

Check the permissions for User, group and world for new.zip and set read permission for user, read and write permission for group and read write and execute permission for world.

```
macbookpro@Avishek-macbook-pro desktop % ls -l
total 2384
-rw-r--r--@  1 macbookpro  staff   15619 Jan 15 15:44  interview acadmanic.docx
drwxr-xr-x   3 macbookpro  staff      96 Nov 10 08:45 $RECYCLE.BIN
drwxr-xr-x@ 21 macbookpro  staff     672 Jan  1 22:48 -
drwxrwxrwx@ 46 macbookpro  staff    1472 Jan  1 22:48 A
-rw-r--r--@  1 macbookpro  staff  215598 Jan 19 19:56 Abhishek K.C._np03cs4a220181_Wps6.docx
-rw-r--r--@  1 macbookpro  staff   60425 Jan 19 23:57 Example Graduate Application Form (1).docx
-rw-r--r--@  1 macbookpro  staff   98486 Jan 19 23:57 Example Graduate Application Form (1).pdf
-rw-r--r--@  1 macbookpro  staff   11280 Jan  7 10:40 Untitled.png
-rw-r--r--@  1 macbookpro  staff  308128 Jan 20 19:55 Week-9-Workshop-09.pdf
-rw-r--r--@  1 macbookpro  staff   13643 Jan 20 19:51 acadamic week 9.docx
-rw-r--r--   1 macbookpro  staff     282 Nov 10 12:14 desktop.ini
drwxr-xr-x   7 macbookpro  staff     224 Dec  5 18:25 first sem
drwxr-xr-x   4 macbookpro  staff     128 Jan  1 22:48 fun pro
drwxr-xr-x@  5 macbookpro  staff     160 Jan 17 10:01 java.script
drwxr-xr-x   2 macbookpro  staff      64 Jan 20 21:27 kathmandu
drwxr-xr-x   7 macbookpro  staff     224 Jan  1 22:49 photo
drwxr-xr-x   2 macbookpro  staff      64 Jan 20 21:26 pokhara
drwxr-xr-x@ 14 macbookpro  staff     448 Jan 18 10:15 python
-rw-r--r--@  1 macbookpro  staff  244821 Jan 18 20:39 python week 9.docx
-rw-r--r--@  1 macbookpro  staff  188519 Jan 20 21:28 workshop 9 fundamental.docx
-rw-r--r--@  1 macbookpro  staff     165 Dec 25 12:11 ~$Presentation4.pptx
-rw-r--r--@  1 macbookpro  staff     162 Dec 19 09:47 ~$ek blog .docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 10 21:42 ~$hinav KC (1).docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 29 18:58 ~$hishekK.C._2330790_Wps05.docx.docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 10 22:27 ~$obal Warming.docx
-rw-r--r--@  1 macbookpro  staff     162 Dec 21 22:29 ~$rgesort_np03cs4a220181.pdf
-rw-r--r--@  1 macbookpro  staff     162 Jan 20 20:24 ~$rkshop 9 fundamental.docx
-rw-r--r--@  1 macbookpro  staff     162 Oct 10 13:53 ~$sop.docx
-rw-r--r--@  1 macbookpro  staff     162 Jan 17 16:01 ~$torial Task acadamic.docx
-rw-r--r--@  1 macbookpro  staff     162 Dec  5 07:27 ~$ver_Page (2).docx
macbookpro@Avishek-macbook-pro desktop %
```

Write the command to check your last 10 commands.

```
macbookpro@Avishek-macbook-pro desktop % history|tail
 1057  gzip file
 1058  clear
 1059  touch filename1.txt
 1060  touch filename2.txt
 1061  zip new.filename1.txt filename2.txt
 1062  ls -1
 1063  cleaqr
 1064  clear
 1065  ls -al
 1066  clear
```

Write the command to check current user.

```
macbookpro@Avishek-macbook-pro desktop % whoami
macbookpro
macbookpro@Avishek-macbook-pro desktop %
```

Write the command to add user having user name newuser and switch to newuser.

```
shresthasujan@DESKTOP-FK9RF48:~$ sudo useradd newusers
shresthasujan@DESKTOP-FK9RF48:~$ sudo passwd newusers
New password:
Retype new password:
passwd: password updated successfully
shresthasujan@DESKTOP-FK9RF48:~$ sudo su newusers
$
```

Create the following directories in and paste your result here.

```
uttam@uttam-VirtualBox:~/Desktop/NEPAL$ tree
.
├── Provience1
│   └── Capital
│       └── Biratnagar.txt
├── Provience2
│   └── Capital
│       └── Janakpur.txt
├── Provience3
│   └── Capital
│       └── Hetauda.txt
├── Provience4
│   └── Capital
│       └── Pokhara.txt
├── Provience5
│   └── Capital
│       └── Deukhuri.txt
├── Provience6
│   └── Capital
│       └── Birendranagar.txt
└── Provience7
    └── Capital
        └── Mahendranagar.txt

14 directories, 7 files
uttam@uttam-VirtualBox:~/Desktop/NEPAL$
```

```
[macbookpro@Avishek-macbook-pro provience % tree
.
├── prov1
│   └── capital
│       └── biratnagar.txt
├── prov2
│   └── capital
│       └── janakpur.txt
├── prov3
│   └── capital
│       └── hetauda.txt
├── prov4
│   └── capital
│       └── pokhara.txt
├── prov5
│   └── capital
│       └── deukhuri.txt
├── prov6
│   └── capital
│       └── birendrangar.txt
└── prov7
    └── capital
        └── mahendranagar.txt

14 directories, 7 files
macbookpro@Avishek-macbook-pro provience %
```