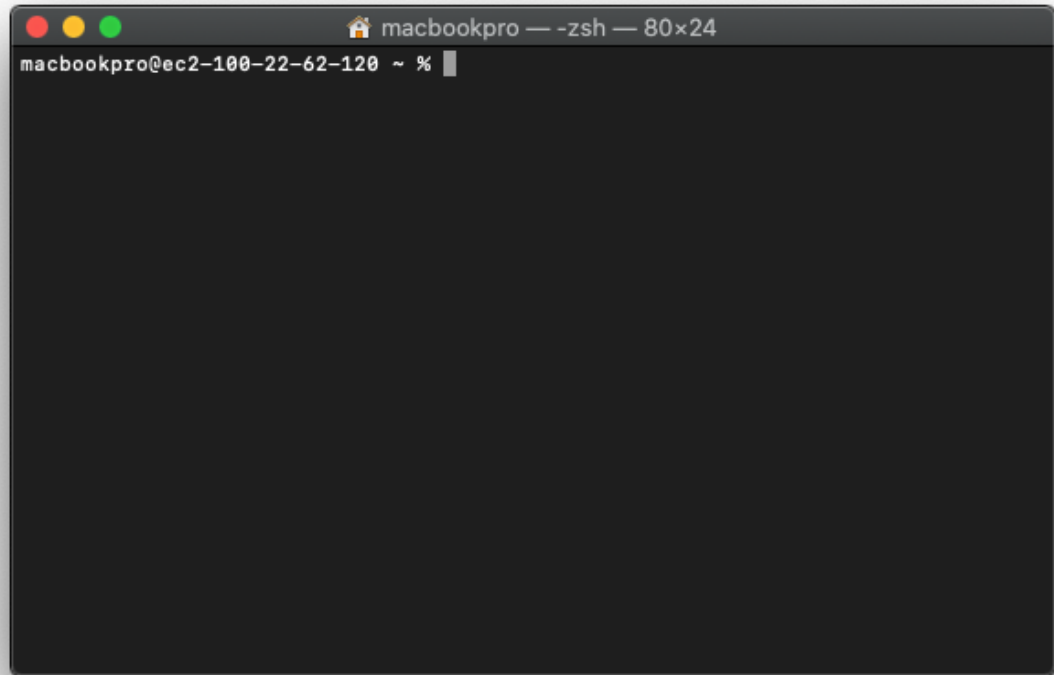


Instruction:

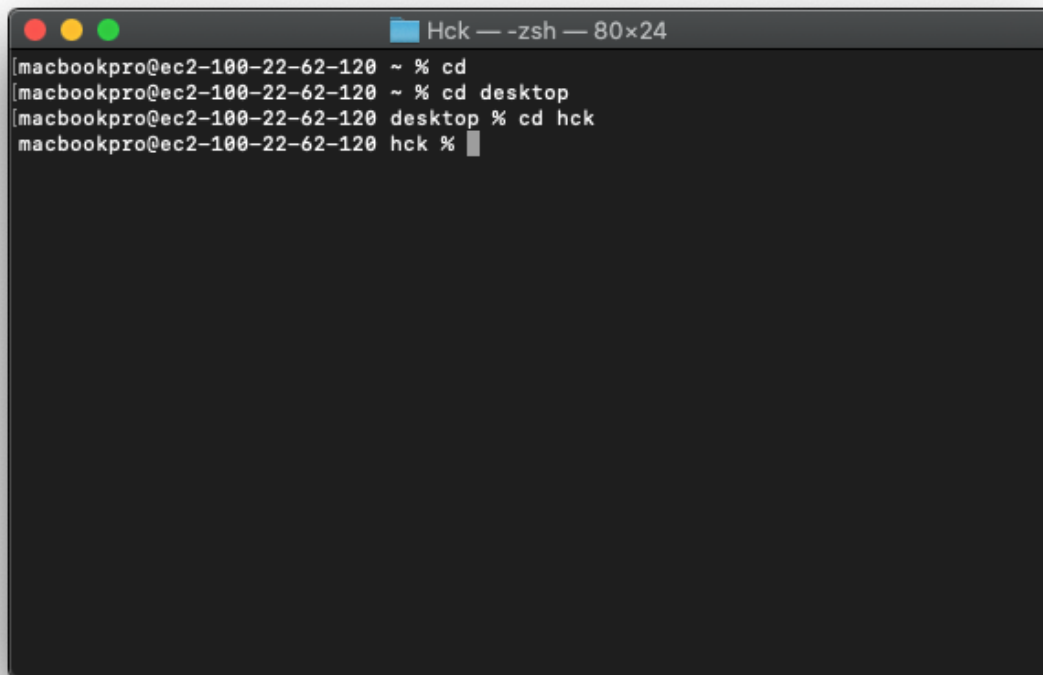
Complete all questions in 1 hour.

1. Start the "Command Prompt" from the Windows Start Menu (Start -> Accessories -> Command Promtp).



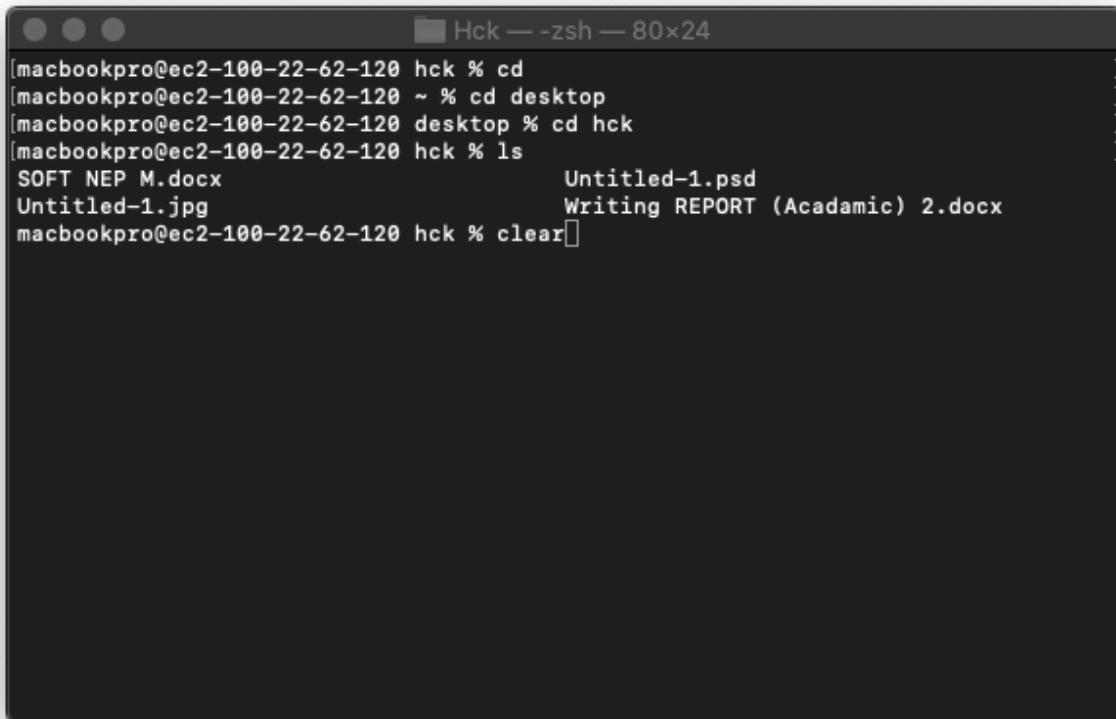
2. Use `cd`, `cd..`, `cd/..` commands to navigate through the directories.

Create the Directory HCK on the desktop.

A terminal window titled "Hck — -zsh — 80x24" with a dark background and light gray text. The window shows a sequence of four commands and their prompts. The first command is "cd" with a prompt from "macbookpro@ec2-100-22-62-120 ~ %". The second command is "cd desktop" with a prompt from "macbookpro@ec2-100-22-62-120 ~ %". The third command is "cd hck" with a prompt from "macbookpro@ec2-100-22-62-120 desktop %". The fourth command is "hck %" with a prompt from "macbookpro@ec2-100-22-62-120 hck %". Each command line is followed by a closing bracket "}" on the right side of the terminal window.

```
macbookpro@ec2-100-22-62-120 ~ % cd  
macbookpro@ec2-100-22-62-120 ~ % cd desktop  
macbookpro@ec2-100-22-62-120 desktop % cd hck  
macbookpro@ec2-100-22-62-120 hck %
```

3. List the files in the current directories. Make use of commands `cls`, `exit` to clear the screen and exit the prompt.

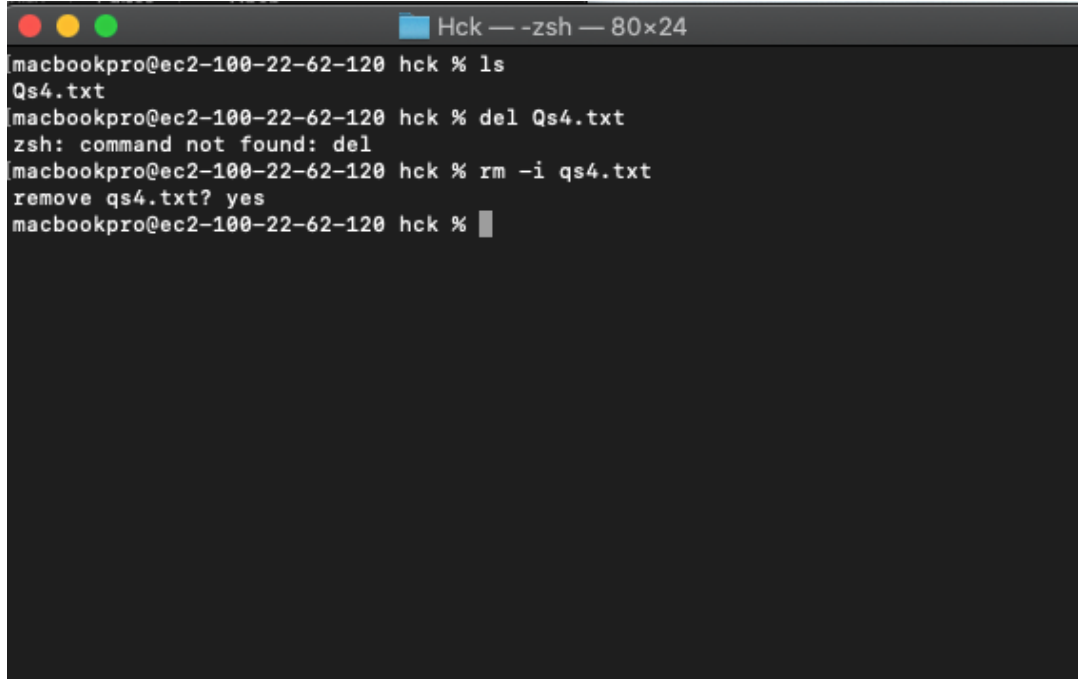


```
Hck — zsh — 80x24
[macbookpro@ec2-100-22-62-120 hck % cd ]
[macbookpro@ec2-100-22-62-120 ~ % cd desktop ]
[macbookpro@ec2-100-22-62-120 desktop % cd hck ]
[macbookpro@ec2-100-22-62-120 hck % ls ]
SOFT NEP M.docx                               Untitled-1.psd
Untitled-1.jpg                               Writing REPORT (Academic) 2.docx
macbookpro@ec2-100-22-62-120 hck % clear
```

4. Create a New.txt file containing the text *"Herald College Kathmandu"*, in the HCK directory.

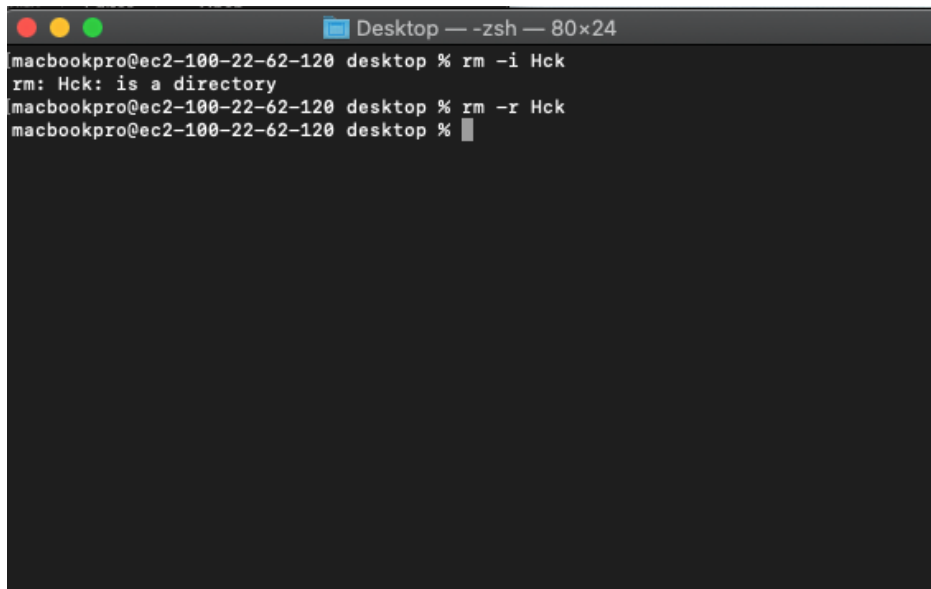
```
Hck — -zsh — 80x24
Last login: Tue Jan  3 12:50:31 on ttys000
[macbookpro@ec2-100-22-62-120 ~ % cd desktop ]
[macbookpro@ec2-100-22-62-120 desktop % scd hck ]
zsh: command not found: scd
[macbookpro@ec2-100-22-62-120 desktop % cd hck ]
[macbookpro@ec2-100-22-62-120 hck % touch "hello.txt"; ]
[macbookpro@ec2-100-22-62-120 hck % echo "herald college kathmandu" >> Qs4.txt; ]
[macbookpro@ec2-100-22-62-120 hck % ]
```

5. Delete the New.txt file from the HCK directory.

A terminal window titled 'Hck — zsh — 80x24' showing the process of deleting a file. The user runs 'ls' and sees 'Qs4.txt'. Then they run 'del Qs4.txt' and get an error 'zsh: command not found: del'. Finally, they run 'rm -i Qs4.txt' and confirm 'yes' to remove the file.

```
macbookpro@ec2-100-22-62-120 hck % ls
Qs4.txt
macbookpro@ec2-100-22-62-120 hck % del Qs4.txt
zsh: command not found: del
macbookpro@ec2-100-22-62-120 hck % rm -i Qs4.txt
remove Qs4.txt? yes
macbookpro@ec2-100-22-62-120 hck %
```

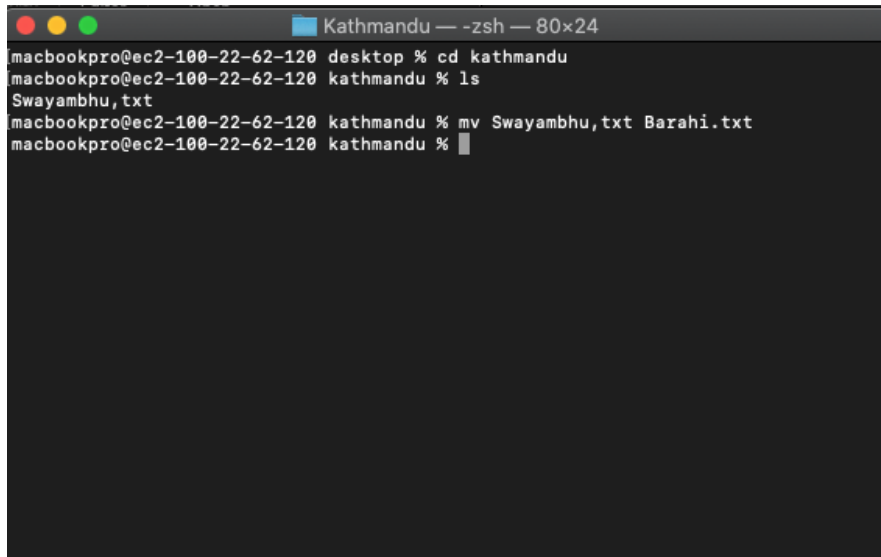
6. Remove the directory HCK from the Desktop.

A terminal window titled 'Desktop — zsh — 80x24' showing the process of removing a directory. The user runs 'rm -i Hck' and gets an error 'rm: Hck: is a directory'. Then they run 'rm -r Hck' to successfully remove the directory.

```
macbookpro@ec2-100-22-62-120 desktop % rm -i Hck
rm: Hck: is a directory
macbookpro@ec2-100-22-62-120 desktop % rm -r Hck
macbookpro@ec2-100-22-62-120 desktop %
```

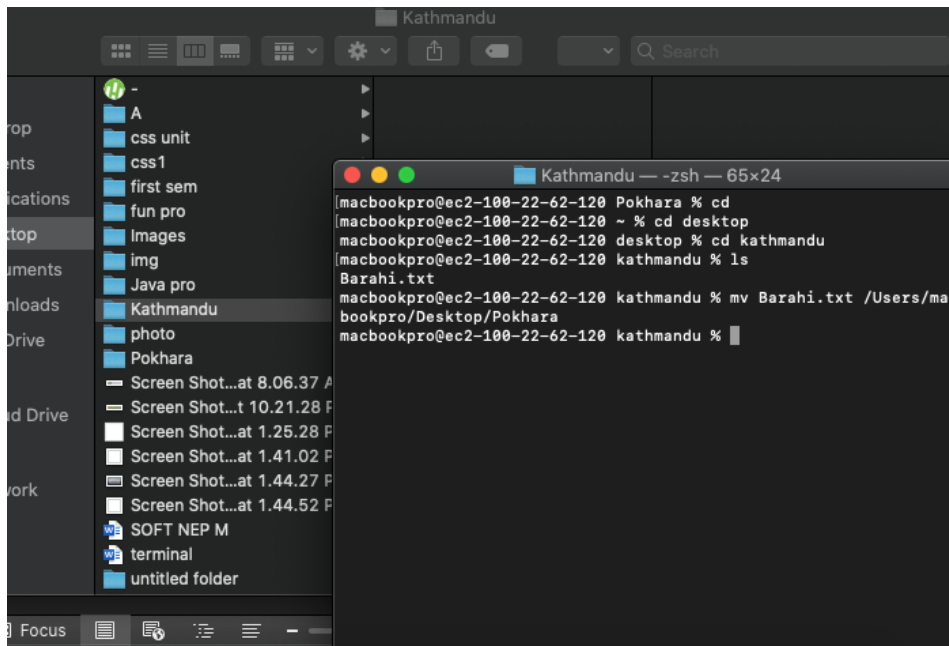
7. Create a directory Kathmandu on the desktop containing file Swayambhu.txt,

Rename Swayambhu.txt as Barahi.txt

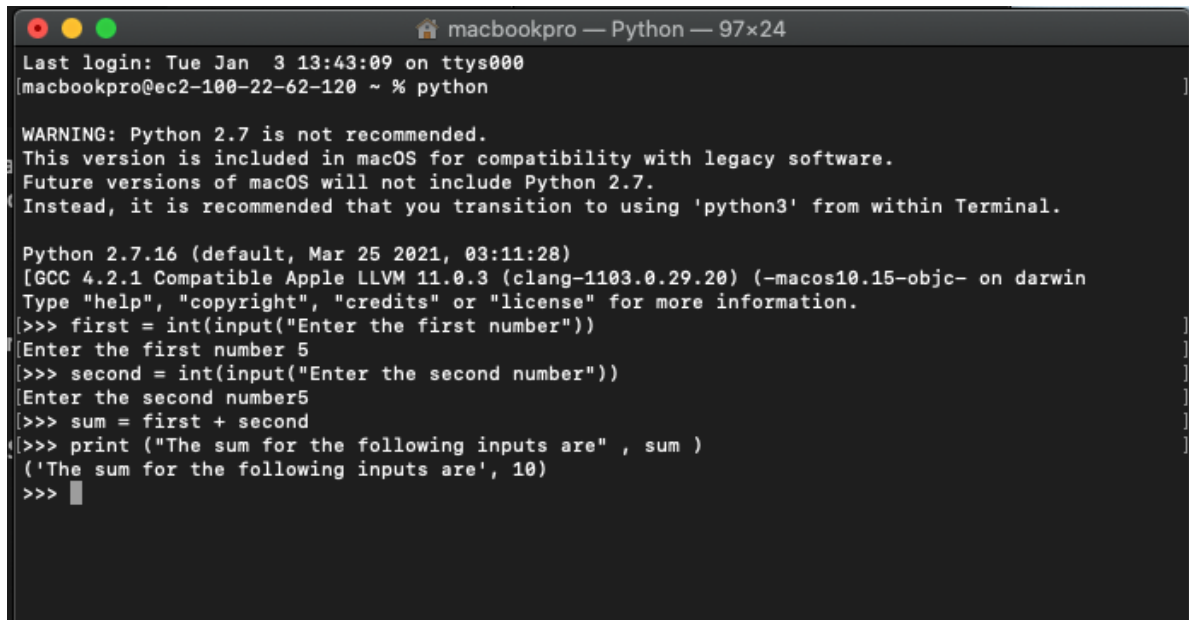


```
Kathmandu — zsh — 80x24
macbookpro@ec2-100-22-62-120 desktop % cd kathmandu
macbookpro@ec2-100-22-62-120 kathmandu % ls
Swayambhu.txt
macbookpro@ec2-100-22-62-120 kathmandu % mv Swayambhu.txt Barahi.txt
macbookpro@ec2-100-22-62-120 kathmandu %
```

8. Create Directory Pokhara on the Desktop and move Barahi.txt of the directory Kathmandu to the directory Pokhara.



9. Write the python program in IDLE which takes two inputs from the user and returns the sum of the two numbers. Run this program from the command prompt.

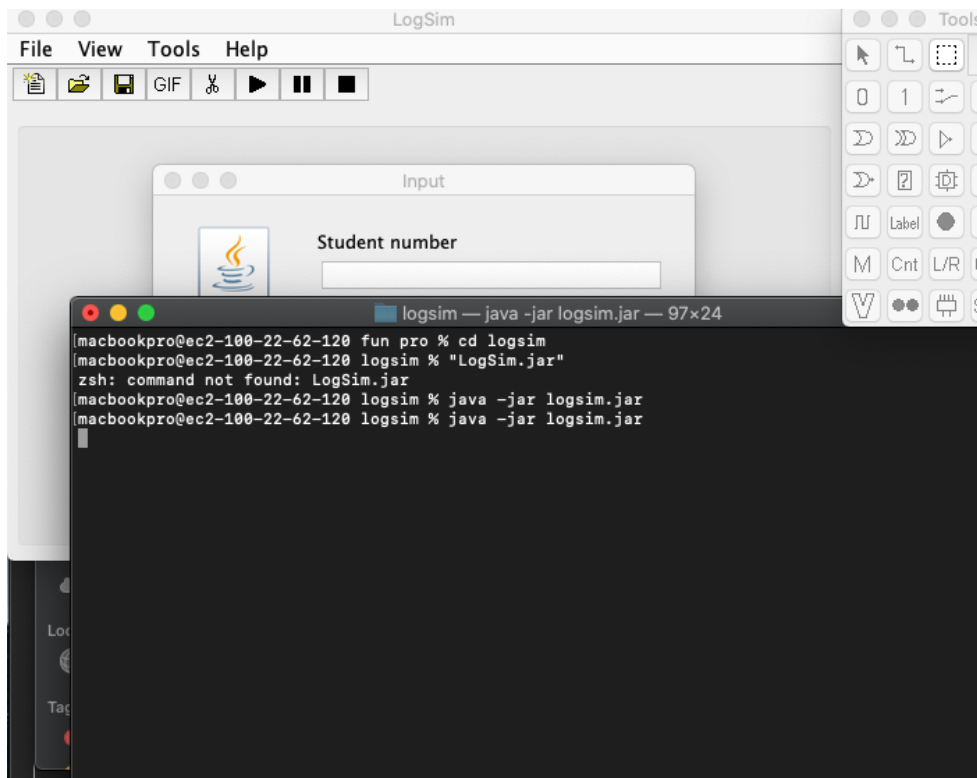
A terminal window titled 'macbookpro — Python — 97x24'. It shows the execution of a Python 2.7 program. The program prompts for two numbers, '5' and '5', and prints the sum '10'.

```
macbookpro@ec2-100-22-62-120 ~ % python

WARNING: Python 2.7 is not recommended.
This version is included in macOS for compatibility with legacy software.
Future versions of macOS will not include Python 2.7.
Instead, it is recommended that you transition to using 'python3' from within Terminal.

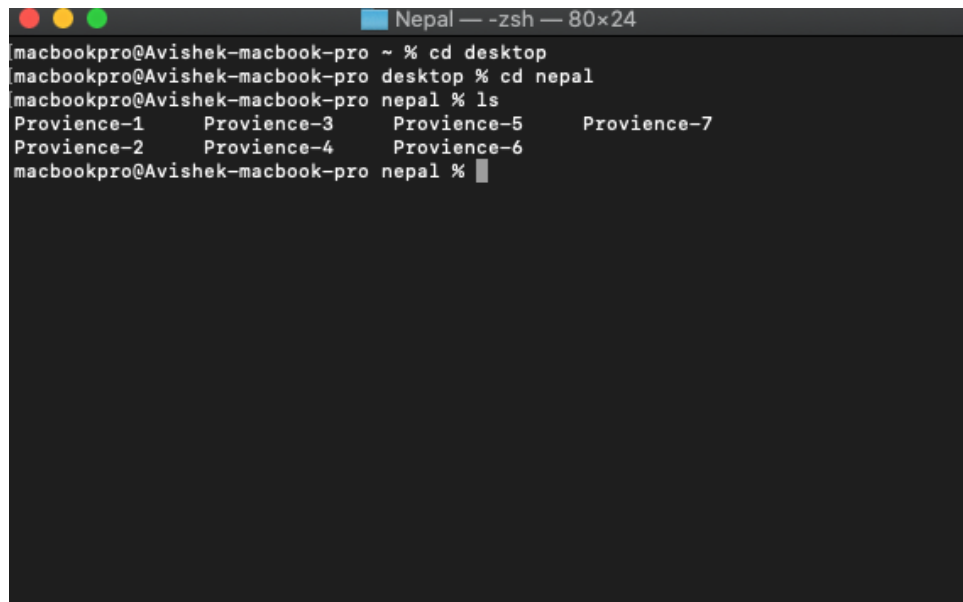
Python 2.7.16 (default, Mar 25 2021, 03:11:28)
[GCC 4.2.1 Compatible Apple LLVM 11.0.3 (clang-1103.0.29.20) (-macos10.15-objc- on darwin
Type "help", "copyright", "credits" or "license" for more information.
[>>> first = int(input("Enter the first number"))
Enter the first number 5
[>>> second = int(input("Enter the second number"))
Enter the second number 5
[>>> sum = first + second
[>>> print ("The sum for the following inputs are" , sum )
('The sum for the following inputs are', 10)
>>>
```

10. Run the logsim program from the command prompt.

The image shows a LogSim application window and a terminal window. The LogSim window has a menu bar (File, View, Tools, Help) and a toolbar with icons for file operations and execution. It contains an 'Input' dialog box with a 'Student number' field. The terminal window, titled 'logsim — java -jar logsim.jar — 97x24', shows the command 'java -jar logsim.jar' being executed successfully.

```
macbookpro@ec2-100-22-62-120 ~ % cd logsim
macbookpro@ec2-100-22-62-120 logsim % "LogSim.jar"
zsh: command not found: LogSim.jar
macbookpro@ec2-100-22-62-120 logsim % java -jar logsim.jar
macbookpro@ec2-100-22-62-120 logsim % java -jar logsim.jar
```

11. Create the following structure and take a Screenshot. Paste your result here.

A terminal window titled "Nepal — zsh — 80x24" on a Mac. The window shows a series of commands and their outputs. The user navigates from the home directory to the desktop, then creates a directory named "nepal". Finally, they list the contents of the "nepal" directory, which shows seven subdirectories named "Provience-1" through "Provience-7".

```
macbookpro@Avishek-macbook-pro ~ % cd desktop  
macbookpro@Avishek-macbook-pro desktop % cd nepal  
macbookpro@Avishek-macbook-pro nepal % ls  
Provience-1    Provience-3    Provience-5    Provience-7  
Provience-2    Provience-4    Provience-6  
macbookpro@Avishek-macbook-pro nepal %
```