

1. How would you check the default search path for your account, and what is it (list only the first four entries)?

2. Write a simple back-up script, *backUp.sh*, which compresses a directory of your choice with the current date. Make your script be runnable at any directory.

3. Create 4 files in your working directory: *backUp.sh*, *backUpOldVersion.sh*, *currentBackUp.sh*, *myBackUp* (all have the same contents but different names). Then, issue the following commands in your working directory and discuss the outputs:

```
bash$ ls -l
bash$ ls -l b?.sh
bash$ ls -l [ab]*
bash$ ls -l [a-c]*
bash$ ls -l [^ab]*
bash$ ls -l {b*,c*,*ck*}
bash$ echo *
bash$ echo m*
bash$ echo b?.sh
```

4. Using vi editor (or vim) write a simple “Hello World” bash script. Save the script. Without quitting the editor, send the process to background, make the script file executable and run it and return to the editor (bring the editor back to foreground).

Hint: **CTRL+Z** suspends the process running foreground and **fg** command puts the suspended process to foreground.

5. Re-adjust the ls command to list the directories first by default.

6. Using pipe, |, in a single line of command to the shell, print the number of lines of the output of your command in Question#5.

Hint: command **wc** prints the number of lines with the use of option **-l**.