

## ASSIGNMENT 1

### Title : Shell Programming

Problem Statement : Write a program to implement an address book with options given below :

- a) Create address book   b) View address book   c) Insert a record  
d) Delete a record   e) Modify a record   f) Exit

### Theory :

Shell Script - List of commands in a computer program that is run by the UNIX shell which is a command line interpreter.

### Types of Shells:-

Bourne Shell : default shell for version 7 UNIX. The character \$ is the default prompt for the Bourne shell. The different subcategories in this shell are Korn shell, Bourne Again Shell, POSIX shell etc.

C Shell : a UNIX shell and a command processor that is run in a text window. The character % is the default prompt for the C shell.

### Advantages of shell script :-

- Commands and syntax of shell script are same as that entered at the command line. Hence, no need to switch to a completely different syntax.
- Faster to write a code in shell script than in other programming languages
- Can also be used to provide linkage for already

existing programs

- can be used by users that are not experts to modify and tailor the behaviour of their programs according to their requirements.

Disadvantages of shell script :

- There may be errors in shell scripting that prove to be quite costly
- Programs in shell script are quite slow while executing and a new process is required for every shell command executed
- Different platforms in shell scripting may also have compatibility problems.

Conclusion : I have successfully implemented an address book management system using a shell script.