

System Programming

Assignment 1

- 1) Explain Unix operating system and its functions
- 2) Explain a brief history about unix OS.
- 3) Explain wc command with its options and an example
- 4) Explain the UNIX architecture
- 5) Explain the features of unix

Assignment 2

:

- 1) Explain the commands date, banner, tput, tput clear, cal, who, ps, ls, wc, exit with
- 2) What is an internal and external command? Explain with an example each examples.
- 3) Explain the path
- 4) what is ls -a used for?
- 5) Explain type and whereis commands

Assignment 3

- 1) Explain the following commands with an example and different options
cal, calendar, date, echo, printf, bc, script, passwd, who, uname, tty, sty
- 2) Explain different date options. Also write a shell script to display appropriate messages according to the hour got by date command.
- 3) Explain the commands pwd, mkdir, cd, rmdir
- 4) Explain the unix file system
- 5) Explain cat command and its options

Assignment 4

- 1) What are the file permissions available wrt a file in UNIX? What is the command used to change the file permissions?
- 2) How do you change file ownership? Explain with an example.
- 3) How do you change group ownership? Explain with an example
- 4) Explain the vi editor basics
- 5) explain the different modes of vi editor with a neat diagram

Assignement 5

- 1) Explain the three standard files in brief.
- 2) Explain standard input
- 3) Explain standard output.
- 4) Explain standard error
- 5) Explain command substitution with an example.