USP Lab – Week 1

- 1. Execute the following commands in unix with different options and note down the output and comments.
 - 1. ls
 - 2. ps
 - 3. cat
 - 4. df
 - 5. du
 - 6. grep
 - 7. find
 - 8. gcc
- 2. Differentiate between internal and external commands of unix.
- 3. Write a C program to read from keyboard and display on monitor screen.
- 4. Write a C program to simulate copy command that copies contents of one file into another.
- 5. Write a C program to simulate a calculator reading the operation and operands from command line.
- 6. Differentiate between library functions and system calls with examples.
- 7. List out the different features of sh, bash, csh and tcsh shells.

IP: 172.1.2.50

<u>USP Lab – Week 2</u>

- 8. Write a C program to read from standard input and display on standard output.
- 9. Write a program to read n characters from a file and append them back to the same file using dup2 function.
- 10. Write a program
 - a. to read first 20 characters from a file
 - b. seek to 10th byte from the beginning and display 20 characters from there
 - c. seek 10 bytes ahead from the current file offset and display 20 characters
 - d. display the file size
- 11. Write a program to display the file content in reverse order using lseek system call.