

Week – 4

Exercise 14

Write a C program that counts the number of blanks in a text file.

- a) Using standard I/O
- b) Using system calls

Exercise 15

Write a C program to count the number of words, lines and characters of a given text file.

- a) Interactively
- b) Command line arguments
- c) Using input redirections

Exercise 16

Implement in C the following unix commands using system calls.

- a) cat
- b) ls
- c) mv

Exercise 17

Write a C program that takes one or more file/directory names as command line input and reports the following information on the file:

- a) File type
- b) Number of links
- c) Time of last access
- d) Read, write, and execute permission

Exercise 18

Write a program in C that illustrates how to execute two commands concurrently with a command pipe.

Exercise 19

Write a c program that illustrates the creation of a child process using fork system call.