**Lab1 - File Management :**

1. Write a program to create a file and set different permissions . Check the user permissions by using system calls from other program. Print the error messages if any. [Use access(), perror(),open(),close() sys calls].

Use man pages to get the details on respective system calls.

1. Write a program, which creates a file of given name and writes a variable length string to the given file.[Use library functions and system calls].
2. Write a program which reads the contents of above created file and display it on screen.[use open(),read(),write(),close() system calls].
3. Wrtie a program which creates a file with given name and writes the byte values from 0 to 0xff. The program closes the file and returns. Now try to open the file created in a suitable editor. What do you expect to see.[use library functions / system calls].
4. Write a program, which creates a file of given name and writes a variable length string entered to the given file.
5. Write a program which accepts two numbers named base and exponent. Write a fucntion to find the expression baseexponent. The function accepts two arguments (base and exponent). The function is written in a separate file. The function returns the result of baseexponent to the calling functionand displays the result in the main program. Execute the program by using 'Makefile utility'.

**Miscellaneous program:**

1. Write a program that accepts a single line string from user and outputs the number of occurences of character 'a' , 'b' and 'c'. After the first iteration the program again prompts the user to input second string and displays the respective output. The program quits only manually using CTRL^C or CTRL^Z;