

# **LAB-4**

**Aim:** Implementation of “cat” and “cp” command in C. (use of open, read, write, and close system calls)

## **1. Implement basic “cat” command using system calls.**

### **Solution Logic:**

- The solution program should either execute without any argument or with any number of arguments.
- When program executes without argument, it should echo the content given on standard input.
- When program executes with one argument, it should print content of that file on standard output.
- When program executes with more than one arguments, it should print content of each file one by one on the standard output.
- To print the content of file, first program should open the input file in read mode, then it should read the file content and finally write it back to the standard output.

## **2. Implement basic “cp” command using system calls.**

### **Solution Logic:**

- This program should accept two arguments as source and destination file names.
- It should open a source file in read mode.
- It should open a destination file in read-write mode. If destination file does not exist, It should be created.
- Finally program should write the content of source file into destination file.