**Exp# 3c**                     `cp` **command**

**Aim**

To simulate `cp` command using UNIX system call.

**Algorithm**

1.  Get source and destination *filename* as command-line argument.
2.  Declare a buffer of size 1KB
3.  Open the source file in readonly mode using `open` system call.
4.  If file does not exist, then stop.
5.  Create the destination file using `creat` system call.
6.  If file cannot be created, then stop.
7.  File copy is achieved as follows:
    a. Read 1KB data from source file and store onto buffer using `read` system call.
    b. Write the buffer contents onto destination file using `write` system call.
    c. If end-of-file then step 8 else step 7a.
8.  Close source and destination file using `close` system call.
9.  Stop.

**Result**

Thus a file is copied using file I/O. The `cmp` command can be used to verify that contents of both file are same