1. Give and explain open() API and the access mode flags , access modifier flags also explain how the permission value specified in an 'open' call is modified by its calling process 'umask'   value.
2. Explain file APIs read ( ), fcntl ( ), access ( ) with their prototypes and argument values.
3. Give and explain the APIs used for the followings:
   1. To create a block device file called SCS15 with major and minor device numbers 15 and 3 respectively and access rights read-write-execute for everyone.
   2. To create FIFO file called FIFO5 with access permission of read-write-execute for everyone.
4. Write a program in C/C++ to emulate the UNIX ***'ls -l'*** command.
5. Write a note on the followings.

1) lseek, 2) stat and fstat functions.

1. Write a note on Directory file APIs with an example.
2. Write a program to emulate UNIX *ln* command used for creating hard links.
3. Explain File Locking and Record Locking using fcntl API with suitable example.
4. Write a program to emulate UNIX ***cp*** command for used for copying.
5. Discuss briefly an APIs used for handling symbolic links.