IO Questions:

1. prog to open a file with open API?

2. Create a file through open API and print return value?

3. write a prog which will print the following file status: total size, user id, group id, permissions

4. write a function to update a particular record given by user, file should contain minimum of 10 records.

5. Implement a directory lister. (like ls)

6. Implement synchronous I/O

7. Implement Direct I/O

8. Implement Vector I/O

9. Implement Multiplexed I/O

10. Implement Memory map I/O

11.

```
struct msg{

char msg[100];

int len;

};
```

(i) Using memory map I/O, write above object into a record.

(ii) print alternate records from a record_file.
(iii)Update a specefic record

(iv) search for a specific record

Signal Quetions:

1. write a prog to change default disposition of a signal using signal API

2. write a prog to change default disposition of a signal using sigaction API

3. write a prog to Ignoring a signal

4. write a prog restore to Default signal disposition

5. write a prog which will register application defined singal handler for SIGINT using sigaction

   interface

6. Write a prog for all Macros of SA_FLAGS in sigaction

7. Block a signal using sigprocmask API

Fork Questions:
1. Write a example to create a child process using fork API

2. Write code for checking what segments are sharing to child from parent

   (i) stack

   (ii) bss

   (iii) data

   (iv) Heap

4. Prog to check wheather the opened files are inhereted to the child process (or) not?

5. check wheather the singnal handlers are inherited by the child process from its parent

6. check wheather the blocked signals are inherited by the child process from its parent

   process.

7. Is update the values of local variables created by parent, try to update form child.

8. w.a.p to demonstrate pread,pwrite

9. Try to implement all programs of fork with vfork API.