OS LAB ASSIGNMENT 4

IPC

---

1. Write C program to create two way communication between parent and child processes using ordinary pipes.

2. Write a C program using named pipes where the 1 process sends message "Hello to ACTS". The other process reads this and prints the message and replies back to 1st process "Hello to CDAC". This message needs to be read and displayed by process 1.

3. Write a program to show how a shared memory works. Create 3 processes where 1 process shares an integer value 100 in the shared memory. This value as to be read by other 2 process which reads and displays the value. (Observe can the value be read and displayed multiple times)

4. Write a program to show how message queue works. Create a sender process which will send the value "100" to process 2 and "1000" to process 3. The processes 2 and 3 must receive and display the values. (Observe can the value be received multiple times).