OS Lab

Spot Questions – 29-08-2025

1. Write a program to create a pipe between a parent and child process where the parent sends a string and the child displays it.

2. Modify the above to reverse the string in the child and send it back to the parent

3. Write a program to copy the contents of one file to another using pipes between parent and child

4. Enhance it to count the number of words/lines while transferring.

5. Implement a producer–consumer problem using unnamed pipes. (Producer writes random numbers, Consumer sums them up).

   • Create a shell-like pipeline: e.g., simulate ls | wc -l using two processes and pipe