

Working with Shared Memory and Semaphores

1. Create 2 processes (parent and child process). Child process read N characters and Parent process reads and finds total no of vowels. Use shared memory for communication.
2. Write a program to read 'n' integers in child process and print the sum of n integers in the parent (use shared memory for communication).
3. Producer-consumer problem - The problem occurs when concurrently Mr. X and Mr. Y tries to access the same account such a way that Mr. X deposit Rs.5000 and Mr.Y wants to withdraw Rs. 2000. Write a C Program to solve the problem with two processes using semaphores.