INDEX

EXPERIMENT NAME	Perform Date	Submission Date	Page No.	Sign
1. Design suitable data structures and implement pass-I of a two-pass assembler for pseudo-machine in Java using object-oriented feature. Implementation should consist of a few instructions from each category and few assembler directives.				
2. Implement Pass-II of two pass assembler for pseudo-machine in Java using object-oriented features. The output of assignment-1 (intermediate file and symbol table) should be input for this assignment.				
3. Design suitable data structures and implement pass-I of a two-pass macro-processor using OOP features in Java.				
4. Design suitable data structures and implement Pass-I and Pass-II of a two-pass macro-processor. The output of Pass-I (MNT, MDT and intermediate code file without any macro definitions) should be input for Pass-II.				
5. Write a program to create Dynamic Link Layer for any mathematical operations and write an application program to write it. (Java Native Interface/Use VB or VC++)				
6. Write a program to solve Classical Problems of Synchronization using Mutex and Semaphore.				
7. Write a Java program (using OOP features) to implement following scheduling algorithms: FCFS, SJF (Preemptive), Priority (Non-Preemptive) and Round Robin (Preemptive).				
8. Write a Java program to implement Banker's Algorithm.				
9. Write a Program to simulate Memory placement strategies – best fit, first fit, next fit and worst fit.				
10. Write a java program to implement Page Replacement Policies LRU & OPT.				