

1. When memory is assigned dynamically, the operating system must manage it. There are two ways to keep track of memory usage – bitmap and linked list. Write a program that implements the linked list approach.
2. Implement “best fit” and “worst fit” memory allocation algorithms (Placement algorithms). Your program should compare efficiency of the two approaches by examining behavior of different categories of processes.
3. Write a program that implements SRTS and RRS
4. Implement the readers and writers problems
5. Implement the sleeping barber problem
6. Implement semaphore
7. Implement dinning-philosopher problem
8. Implement least recently used page replacement algorithm