

Week 6 - Question Bank

1. What are Semaphores? Differentiate between Counting and Binary Semaphores. Discuss Dining Philosopher Problem.
2. Explain synchronization problem in detail. How counting semaphore can be used to solve readers writes problem.
3. Explain counting semaphore with example
4. Write a short note on Producer consumer problem using semaphore
5. What do you understand by a deadlock? Explain deadlock avoidance method?
6. What is deadlock? Explain the necessary and sufficient condition for deadlock.