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| Programme | : | **B.Tech.(CSE)** | Semester | : | **Fall ’22-23** | |
| Course | : | **Parallel and Distributed Computing** | Code | : | **CSE4001** | |
| Faculty | : | **R. Kumar** | Slot | : | **L9+L10** | |

1. Write your own code snippet to demonstrate the following
   1. Barrier
   2. Master
   3. Single
   4. Critical
   5. Ordered
2. Write a parallel program in OpenMP API to implement readers-writers problem. Ensure the usage of suitable low-level synchronization constructs. Document the result of synchronization overhead incurred in your experiment.