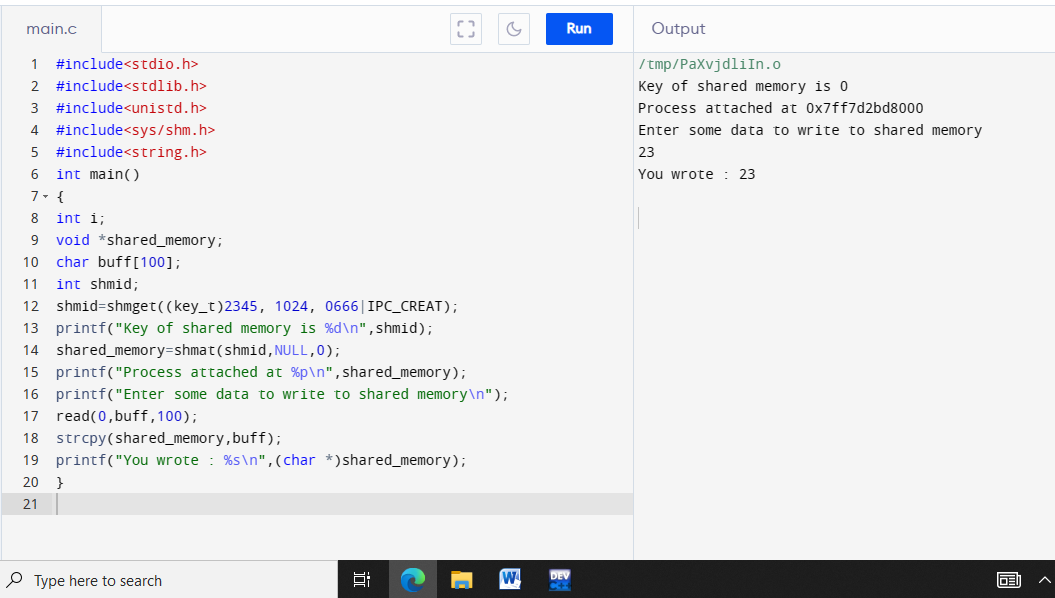
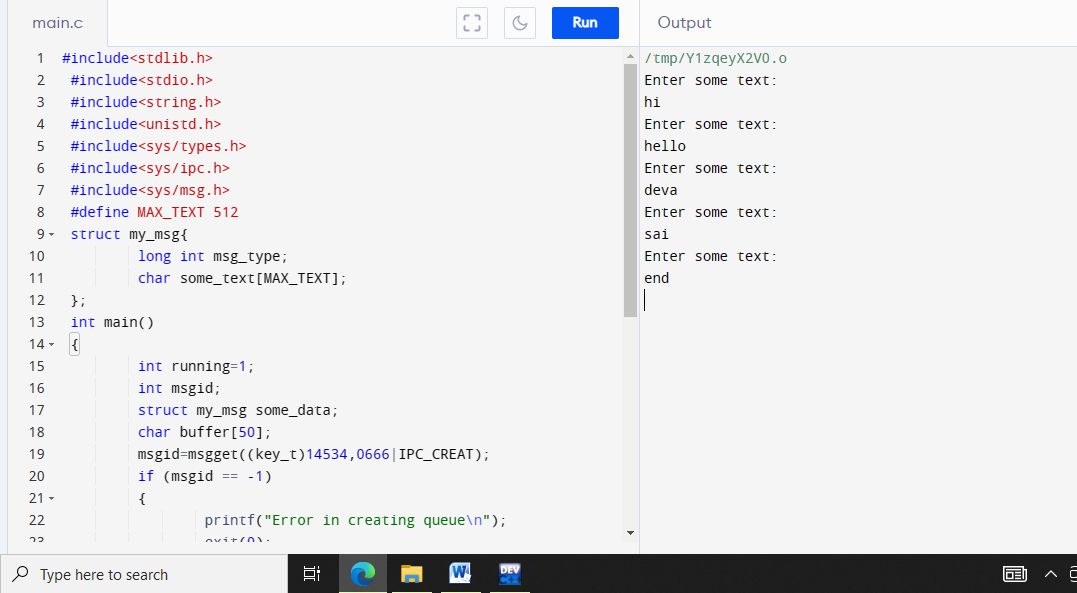
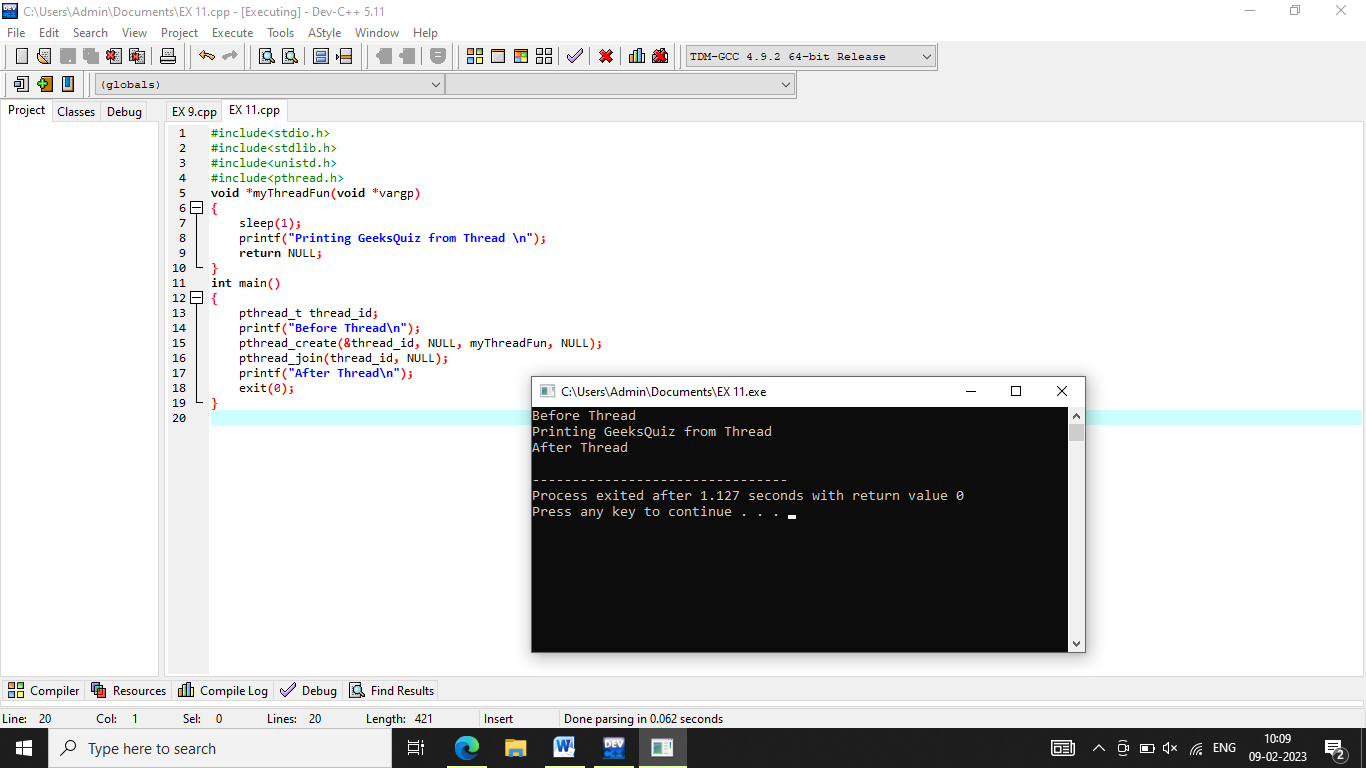
**9.Illustrate the concept of inter-process communication using shared memory with a C program.**

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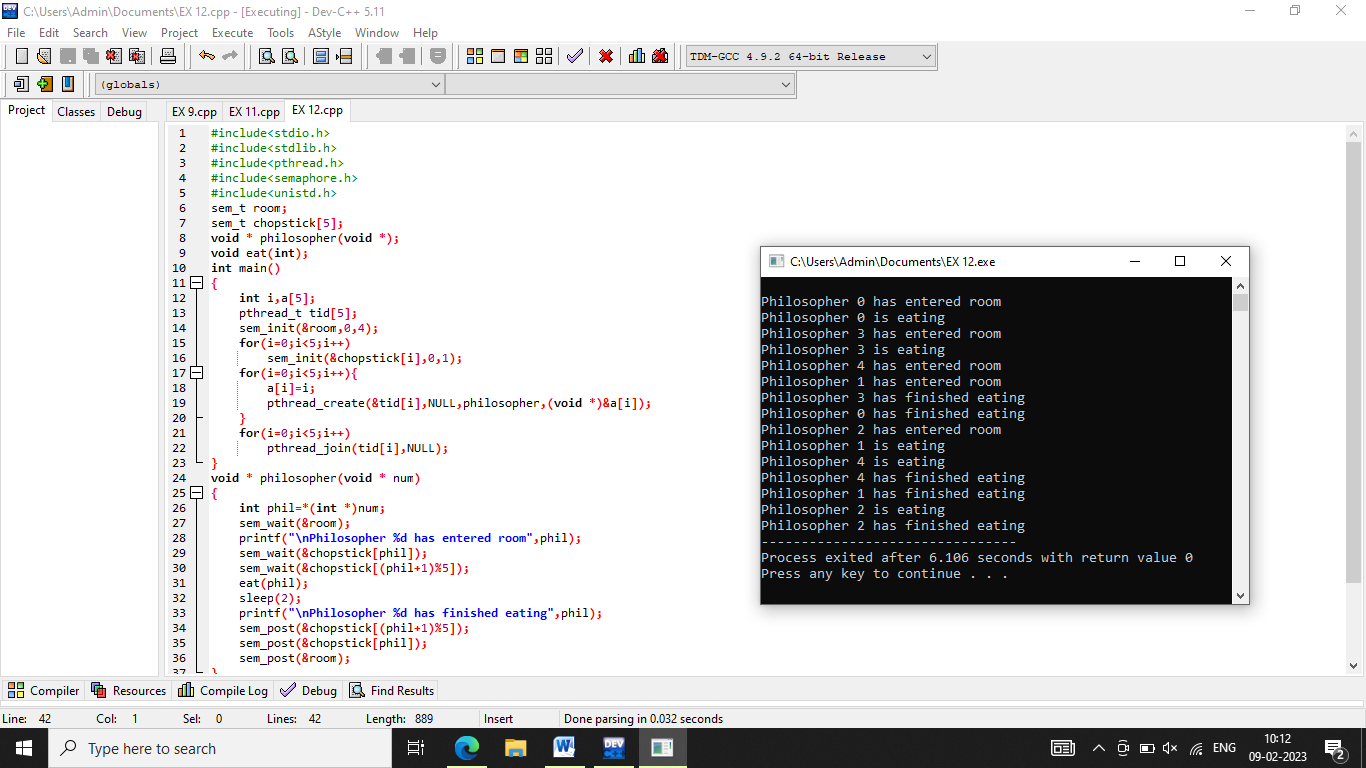
**10. Illustrate the concept of inter-process communication using message queue with a C program.**

****

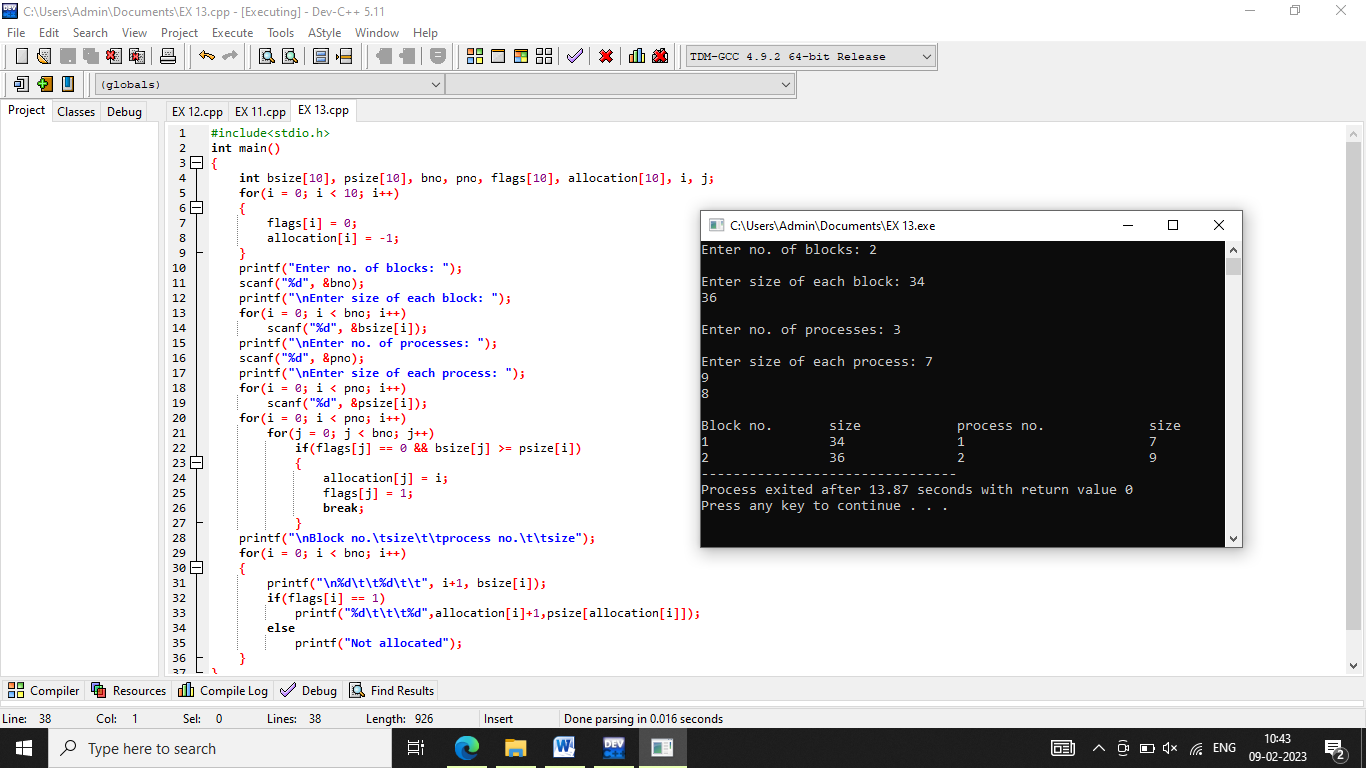
**11. Illustrate the concept of multithreading using a C program.**

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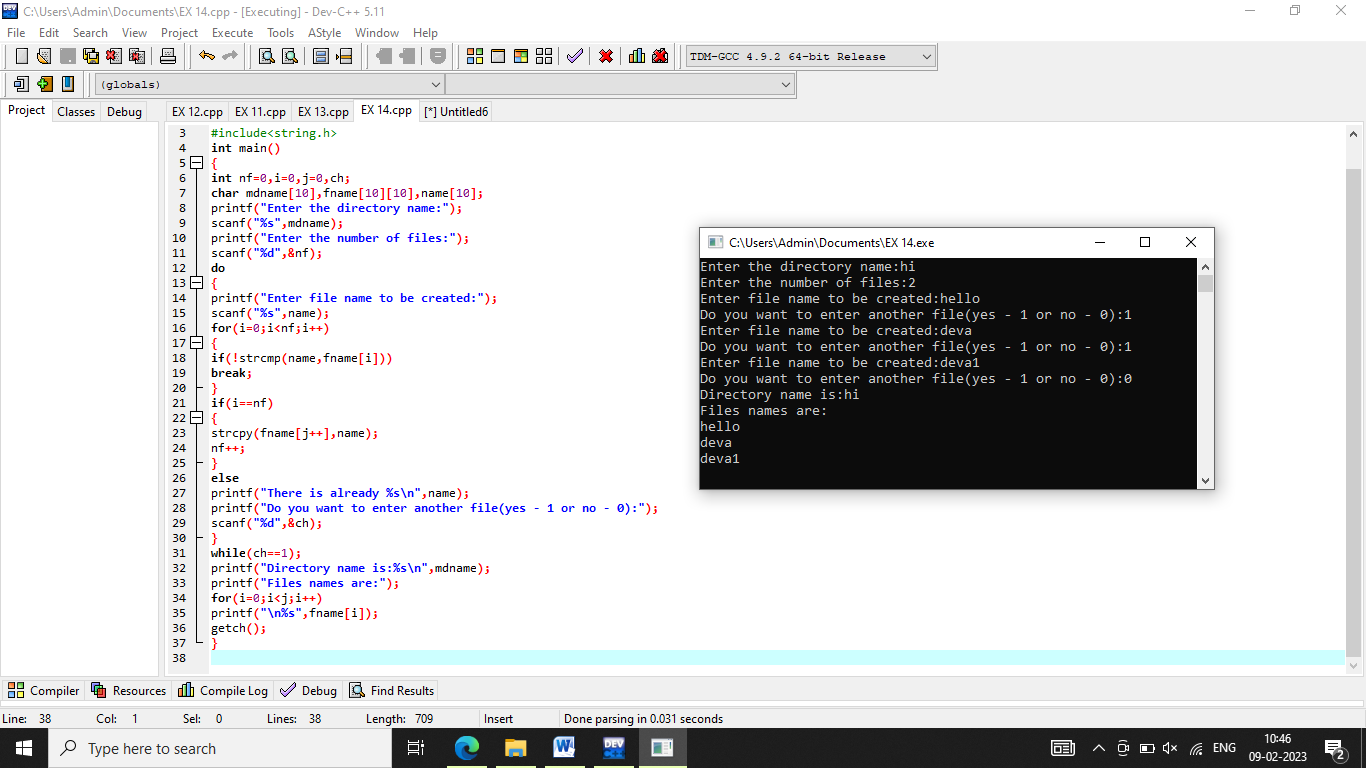
**12. Design a C program to simulate the concept of Dining-Philosophers problem.**

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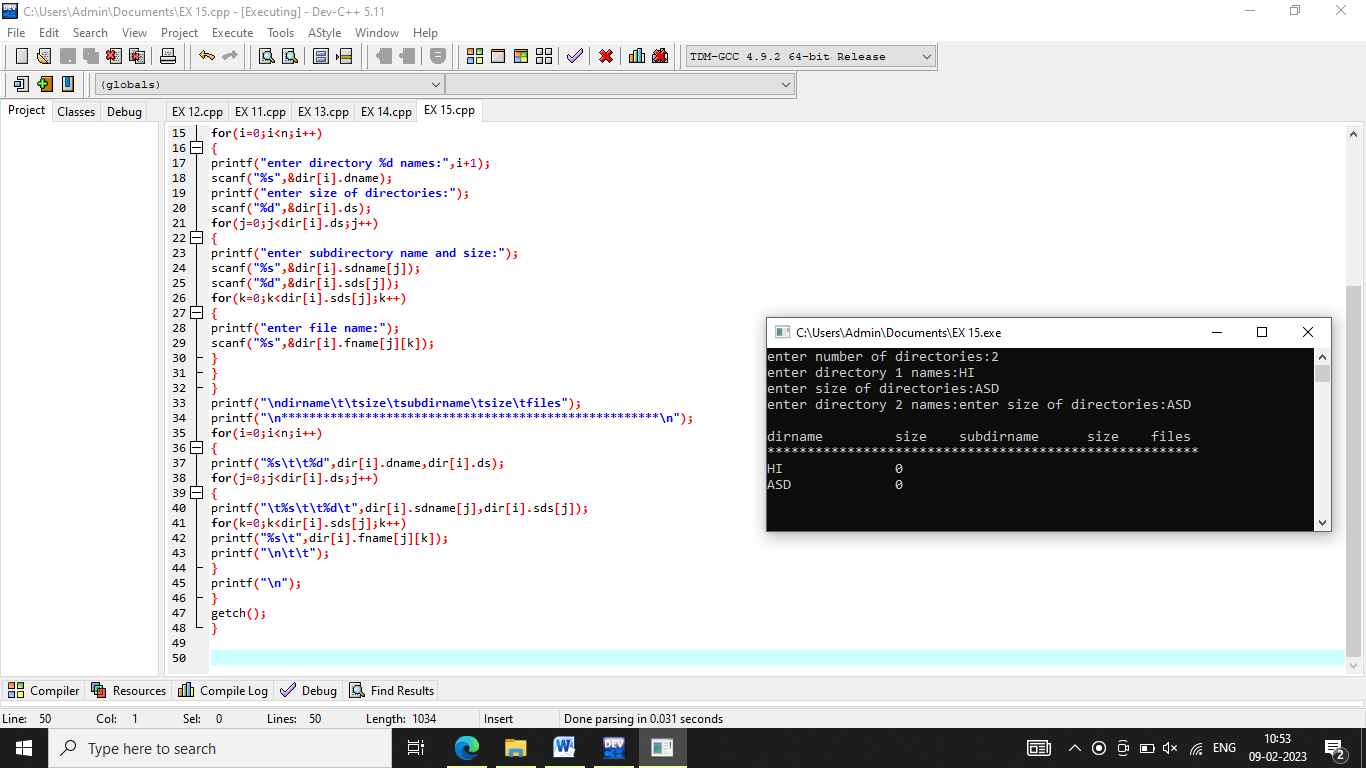
**13. Construct a C program for implementation the various memory allocation strategies.**

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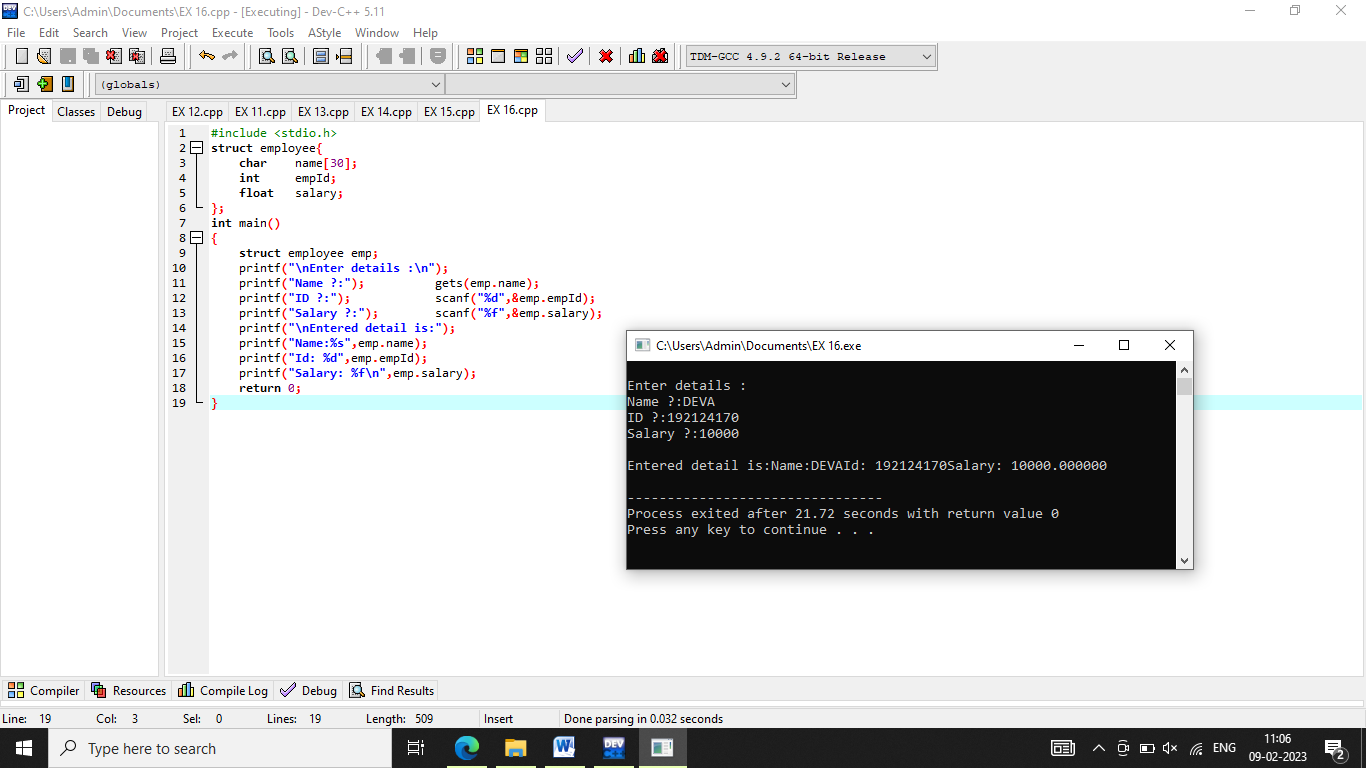
**14. Construct a C program to organize the file using single level directory.**

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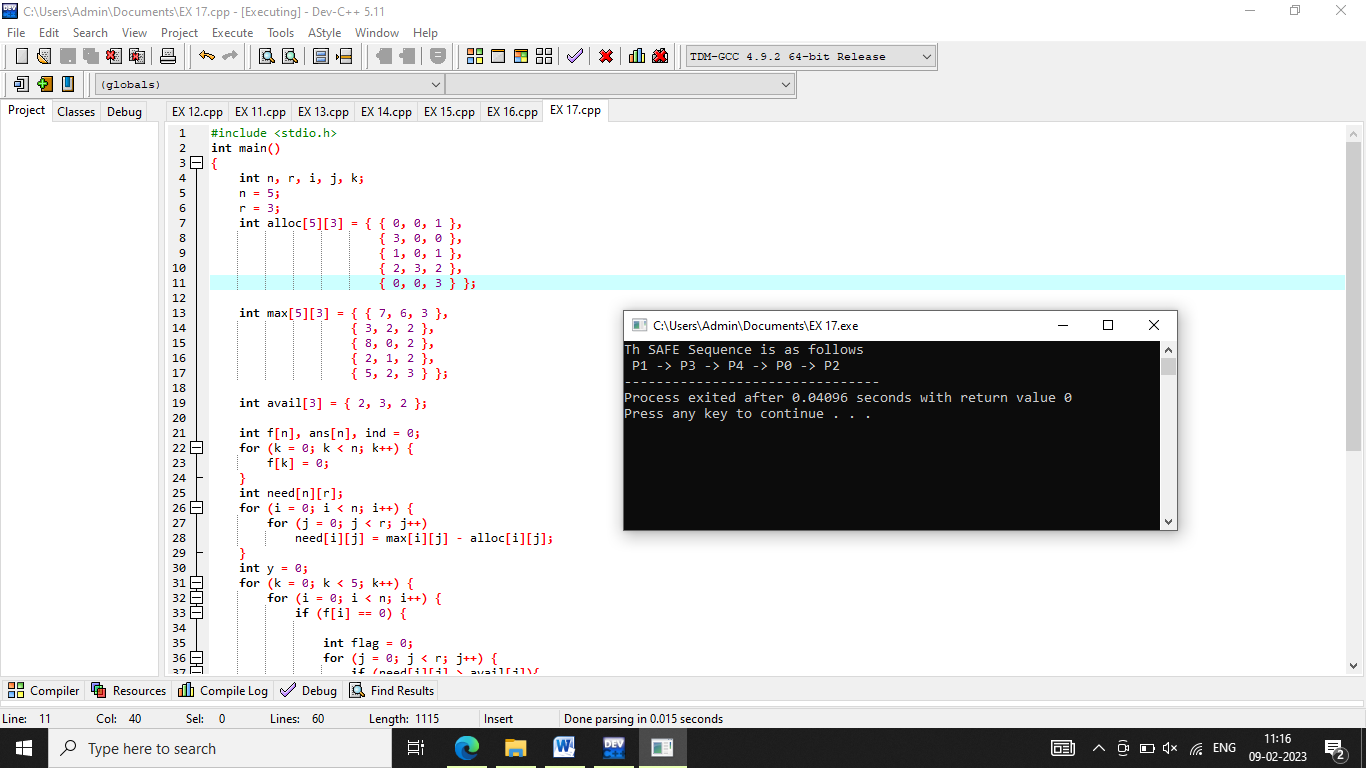
**15. Design a C program to organize the file using two level directory structure.**

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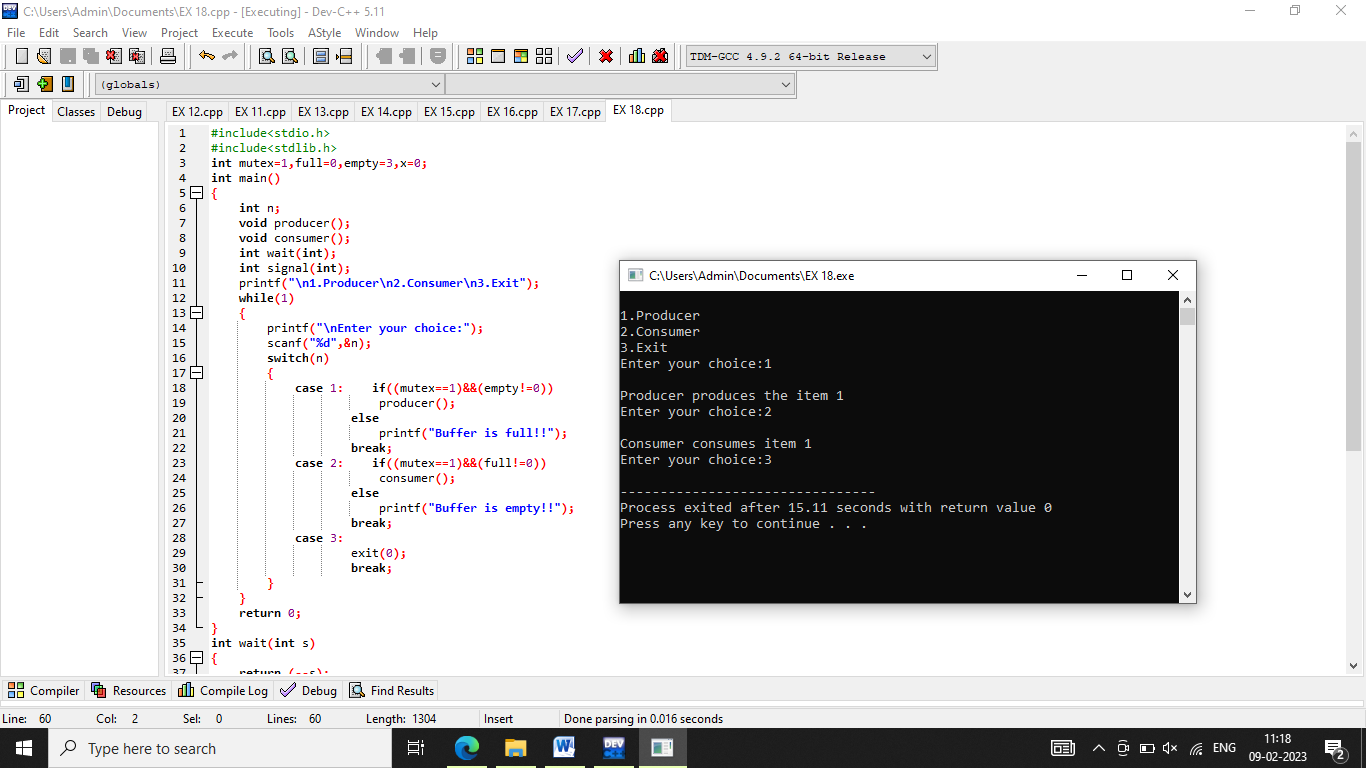
**16. Develop a C program for implementing random access file for processing the employee details.**

****

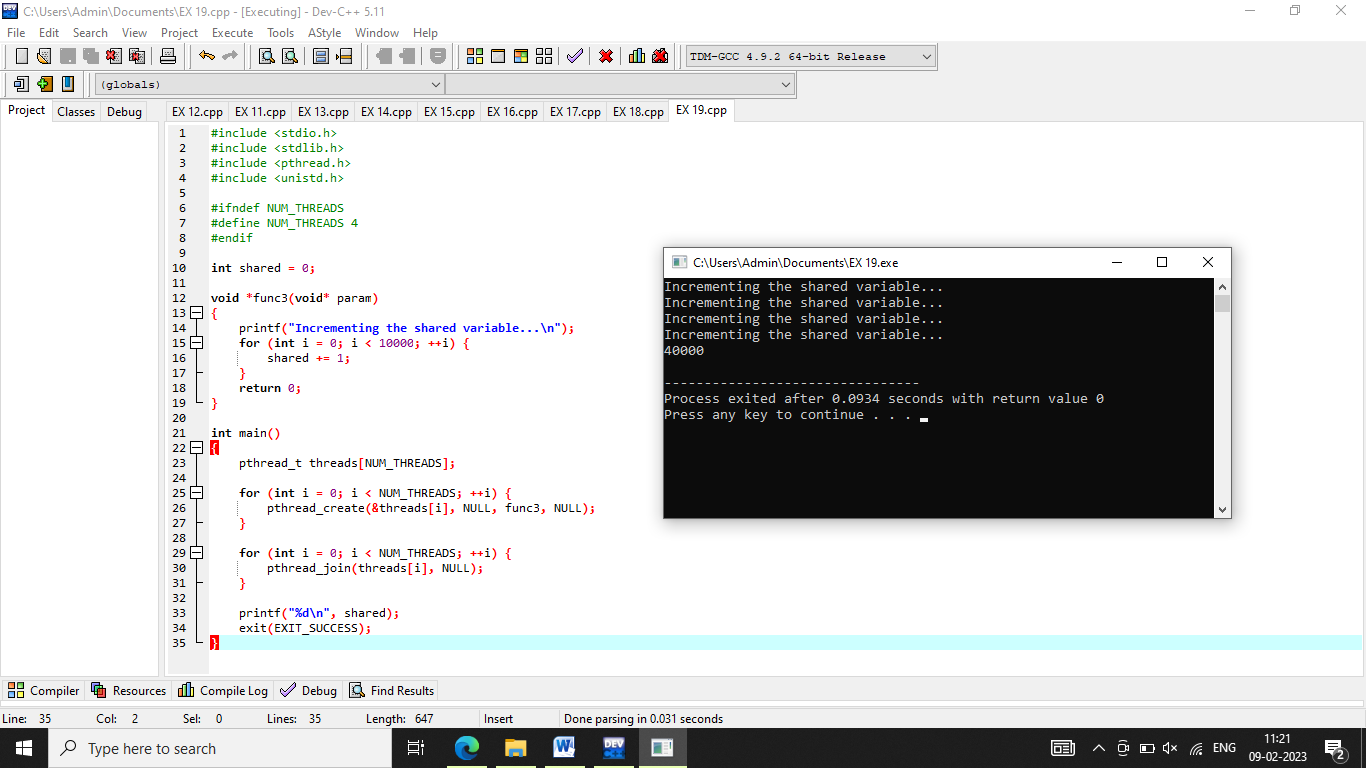
**17. Illustrate the deadlock avoidance concept by simulating Banker’s algorithm with C.**

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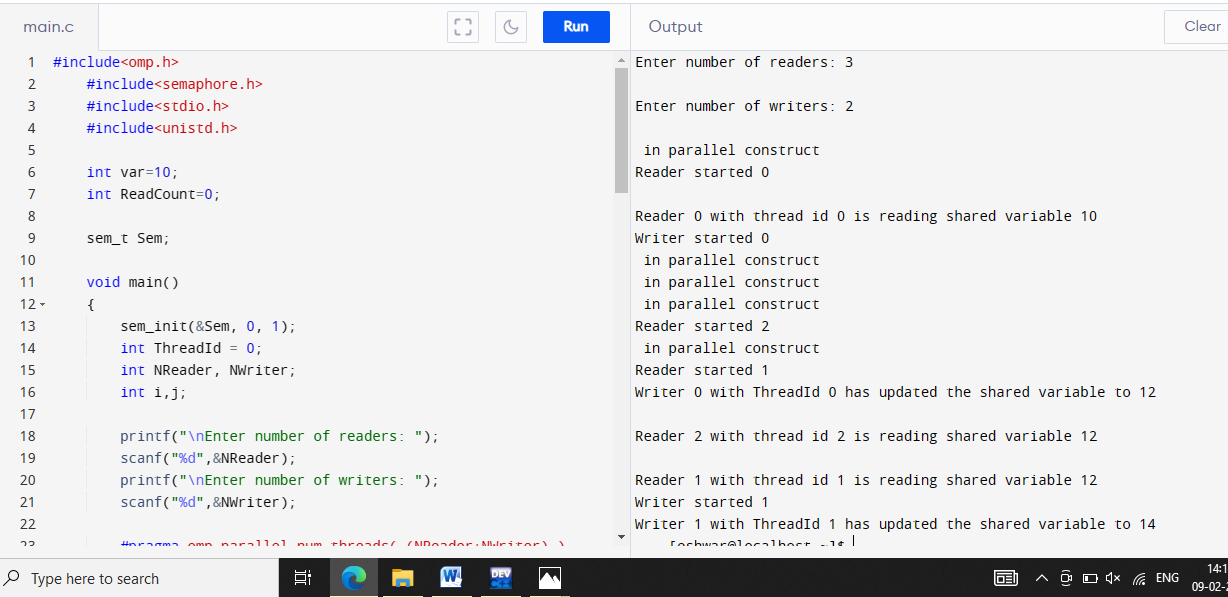
**18.Construct a C program to simulate producer-consumer problem using semaphores.**

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**19. Design a C program to implement process synchronization using mutex locks.**

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**20. Construct a C program to simulate Reader-Writer problem using Semaphores.**

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