25 Lecture - CS410

Important Mcqs

Question 1: What is a thread in the context of computer programming?
a) A type of data storage
b) A unit of execution within a process
c) A graphical user interface element
d) An external device connected to the computer
Solution: b) A unit of execution within a process
Question 2: What is the primary benefit of using multiple threads in a program?
a) Decreased program complexity
b) Reduced memory usage
c) Improved program modularity
d) Enhanced multitasking and concurrency
Solution: d) Enhanced multitasking and concurrency
Question 3: Which of the following statements is true about threads?
a) Threads cannot run in parallel.

b) Threads within the same process share the same memory space.

c) Threads always execute in separate processes.

d) Threads are only used in single-threaded applications.

Solution: b) Threads within the same process share the same memory space.
Question 4: What is thread synchronization used for?
a) To prevent threads from running in parallel
b) To improve memory efficiency
c) To ensure proper order of execution among threads
d) To create separate memory spaces for threads
Solution: c) To ensure proper order of execution among threads
Question 5: Which of the following is NOT a thread scheduling algorithm?
a) First-Come, First-Served (FCFS)
b) Round Robin
c) Last-In, First-Out (LIFO)
d) Binary Search Tree (BST)
Solution: d) Binary Search Tree (BST)
DLLs:
Question 6: What does DLL stand for?
a) Dynamic Load Library
b) Dynamic Link Loader
c) Dynamic Link Library
d) Dynamic Language Locator

Solution: c) Dynamic Link Library **Question 7:** How do DLLs promote code reusability? a) By embedding code directly into the program b) By creating duplicate copies of code c) By allowing multiple programs to share the same code d) By using different programming languages **Solution: ** c) By allowing multiple programs to share the same code **Question 8:** What is the purpose of dynamically linking to a DLL? a) To increase the size of the executable file b) To embed the entire DLL code into the program c) To reduce code modularity d) To load and use code from an external DLL at runtime **Solution: ** d) To load and use code from an external DLL at runtime **Question 9:** Which utility can be used to view the functions and symbols within a DLL? a) regedit b) Dependency Walker c) Disk Cleanup d) Device Manager

Solution: b) Dependency Walker

Question 10: In which memory space are DLLs loaded?

- a) Separate memory space for each program
- b) Shared memory space for all programs
- c) Virtual memory space only
- d) ROM memory space

Solution: b) Shared memory space for all programs