10 Lecture - CS401

Important Mcqs

1. **What is a debugger?**
   a) A hardware device used to interrupt program execution
   b) A software tool used to identify and fix errors in programs
   c) A programming language
   Answer: b

   What is a single step interrupt?
   a) A hardware device used to interrupt program execution
   b) A software tool used to identify and fix errors in programs
   c) A debugging technique that allows programs to be executed one instruction at a time
   Answer: c

   What is the purpose of a single step interrupt?
   a) To execute a program faster
   b) To examine the state of the system after each instruction
   c) To skip over sections of code
   Answer: b

   What is the advantage of using a single step interrupt?
   a) It allows developers to execute a program faster
   b) It allows developers to examine the state of the system after each instruction
   c) It allows developers to skip over sections of code
   Answer: b

   How does a debugger work?
   a) By interrupting program execution
   b) By executing programs one instruction at a time
   c) By examining the state of the system after each instruction
   Answer: c

   Which debugging technique allows programs to be executed one instruction at a time?
   a) Single step interrupt
   b) Breakpoint
   c) Watchpoint
   Answer: a

   What is the purpose of a breakpoint?
   a) To execute a program faster
   b) To examine the state of the system after each instruction
   c) To pause program execution at a specific point in the code
   Answer: c

   What is a watchpoint?
   a) A hardware device used to interrupt program execution

b) A software tool used to identify and fix errors in programs
c) A debugging technique that pauses program execution when a specific memory location is accessed
Answer: c

Which debugging technique pauses program execution at a specific point in the code?
a) Single step interrupt
b) Breakpoint
c) Watchpoint
Answer: b

What is the main advantage of using a debugger?
a) It allows developers to execute programs faster
b) It allows developers to identify and fix errors in their programs
c) It allows developers to skip over sections of code
Answer: b