35 Lecture - CS504

Important Mcqs

Question 1: What is an exception in programming? A) A special type of variable B) A userdefined data type C) An error or unexpected event during program execution D) A reserved keyword in programming Solution: C) An error or unexpected event during program execution Question 2: Which keyword is used to catch an exception in Java? A) try B) catch C) exception D) handle Solution: B) catch Question 3: What does the "finally" block do in Java exception handling? A) It defines the exception message B) It catches exceptions that were missed by the "catch" block C) It executes the code inside it, regardless of whether an exception occurs or not D) It throws an exception to the calling method Solution: C) It executes the code inside it, regardless of whether an exception occurs or not Question 4: In Python, which keyword is used to raise a custom exception? A) throw B) catch C) raise D) except Solution: C) raise Question 5: Which of the following is not a standard Java exception? A) NullPointerException B) ArrayIndexOutOfBoundsException C) NumberFormatException D) IndexOutOfRangeException Solution: D) IndexOutOfRangeException Question 6: What is the purpose of the "finally" block in exception handling? A) To handle checked exceptions B) To handle unchecked exceptions C) To ensure the release of resources and cleanup operations D) To display the exception message Solution: C) To ensure the release of resources and cleanup operations Question 7: In C#, which keyword is used to throw an exception explicitly? A) throw B) catch C) exception D) try Solution: A) throw Question 8: Which statement is true about checked **exceptions in Java?** A) They are required to be caught or declared in the method signature. B) They do not require any handling or declaration. C) They are only thrown by the Java runtime and cannot be thrown by user code. D) They are automatically caught and handled by the JVM. Solution: A) They are required to be caught or declared in the method signature. Question 9: What is the main purpose of the "finally" block in Python exception handling? A) To handle exceptions B) To raise custom exceptions C) To specify the type of exception D) To ensure cleanup operations Solution: D) To ensure cleanup operations Question 10: Which exception type occurs when dividing a number by zero in most programming languages? A) DivideByZeroException B) ArithmeticException C) ZeroDivisionError D) NumberZeroException Solution: B) ArithmeticException