

35 Lecture - CS504

Important Mcqs

Question 1: **What is an exception in programming?** A) A special type of variable B) A user-defined 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**