

7 Lecture - CS506

Important Mcqs

Absolutely, here are 10 multiple-choice questions (MCQs) related to the introduction to exceptions in programming, along with their solutions and multiple options:

****Question 1:** What are exceptions in programming?**

- A) Special keywords used for loops
- B) Unexpected program behaviors
- C) Types of data structures
- D) Comments added to code

****Solution:** B) Unexpected program behaviors**

****Question 2:** What is the main purpose of using exceptions?**

- A) To enhance program performance
- B) To intentionally cause errors
- C) To handle unexpected situations
- D) To generate random numbers

****Solution:** C) To handle unexpected situations**

****Question 3:** Which part of the code is typically enclosed in a try block?**

- A) Regular program logic
- B) Code that handles exceptions
- C) Debugging statements
- D) Conditional statements

****Solution:** A) Regular program logic**

****Question 4:** What is the role of the catch block in exception handling?**

- A) It triggers the exception
- B) It throws the exception
- C) It handles the exception
- D) It ignores the exception

****Solution:** C) It handles the exception**

****Question 5:** Which keyword is used to raise an exception manually in code?**

- A) attempt
- B) catch
- C) throw
- D) try

****Solution:** C) throw**

****Question 6:** What happens if an exception is thrown but not caught in the program?**

- A) The program will crash
- B) The exception will be silently ignored
- C) The program will wait for user input
- D) The exception will be rethrown automatically

****Solution:** A) The program will crash**

****Question 7:** Which block is optional when using a try-catch statement?**

- A) try
- B) catch

- C) both try and catch
- D) neither try nor catch

****Solution:** B) catch**

****Question 8:** What is the purpose of the finally block in exception handling?**

- A) To catch exceptions
- B) To throw exceptions
- C) To execute code regardless of exceptions
- D) To define custom exception classes

****Solution:** C) To execute code regardless of exceptions**

****Question 9:** Which of the following is NOT a standard exception in many programming languages?**

- A) NullPointerException
- B) InvalidSyntaxException
- C) FileNotFoundException
- D) DivisionByZeroException

****Solution:** B) InvalidSyntaxException**

****Question 10:** What is the hierarchy of exceptions in many programming languages?**

- A) Parent-Child
- B) Sibling
- C) Grandparent-Parent-Child
- D) Circular

****Solution:** A) Parent-Child**