**MCQs on Exception Handling in C#**

**1. What is an exception in C#?**

A) A compilation error  
B) A runtime error  
C) A logical error  
D) A syntax error

**Answer:** B) A runtime error

**2. Which of the following keywords is NOT used for exception handling in C#?**

A) try  
B) catch  
C) finally  
D) handle

**Answer:** D) handle

**3. What is the purpose of the finally block in exception handling?**

A) To catch exceptions  
B) To execute code regardless of whether an exception occurs or not  
C) To throw a new exception  
D) To define a new exception

**Answer:** B) To execute code regardless of whether an exception occurs or not

**4. What happens when an exception is not handled in a C# program?**

A) The program continues execution  
B) The program stops executing and an error message is displayed  
C) The compiler fixes the error automatically  
D) The program ignores the exception and proceeds

**Answer:** B) The program stops executing and an error message is displayed

**5. Which of the following exception classes is the base class for all exceptions in C#?**

A) System.Exception  
B) System.ApplicationException  
C) System.SystemException  
D) System.Error

**Answer:** A) System.Exception

**6. What will happen if multiple catch blocks are defined for the same exception type?**

A) The first matching catch block will execute  
B) The last matching catch block will execute  
C) All matching catch blocks will execute  
D) The program will throw an error

**Answer:** A) The first matching catch block will execute

**7. How can a user-defined exception be created in C#?**

A) By inheriting from the System.Exception class  
B) By using the throw keyword without a class  
C) By defining a method inside catch  
D) By overriding the catch block

**Answer:** A) By inheriting from the System.Exception class

**8. What does the throw keyword do in exception handling?**

A) Catches an exception  
B) Declares an exception  
C) Throws an exception  
D) Ignores an exception

**Answer:** C) Throws an exception

**9. What type of exception occurs when an array index goes out of bounds?**

A) System.NullReferenceException  
B) System.IndexOutOfRangeException  
C) System.DivideByZeroException  
D) System.IOException

**Answer:** B) System.IndexOutOfRangeException

**10. What is the correct syntax for a try-catch block in C#?**

A)

try {

// code that may cause exception

}

catch (Exception e) {

// handle exception

}

B)

try {

// code that may cause exception

} finally {

// handle exception

}

C)

try {

// code that may cause exception

} catch {

// handle exception

} finally {

// ignore exception

}

D)

catch {

// handle exception

} try {

// code that may cause exception

}

**Answer:** A)