

Name: Answer Sheet

Date: 06/10/2016

Quiz name: Module 1: File IO - Reading

Score: 100%

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- ✓ 1. Which namespace do the classes that are able to read and write binary or character data live within?
- ☐ A System.Collections
 - ☐ B System.File
 - ☐ C System.InputOutput
 - ☒ D System.IO
-
- ✓ 2. Which of the following classes is used to take a folder path and check whether the folder exists, get the directory contents, and other file system operations?
- ☒ A Directory
 - ☐ B FileStream
 - ☐ C StreamReader
 - ☐ D File
 - ☐ E I don't know
-
- ✓ 3. Because System.IO.StreamReader extends System.IO.TextReader, it has all of the methods of a System.IO.TextReader. This is an example of what OOP principle?
- ☐ A Encapsulation
 - ☒ B Inheritance
 - ☐ C Polymorphism
 - ☐ D Cohesion
 - ☐ E I don't know
-
- ✓ 4. Which class should be used to create a full representation of a file path?
- ☐ A FilePath
 - ☒ B Path
 - ☐ C FolderPath
 - ☐ D String concatenation
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- ✓ 5. The StreamReader implements the IDisposable interface. It is best practice to enclose it within what kind of block?
- ☐ A while loop
 - ☒ B using
 - ☐ C if
 - ☐ D a separate function
 - ☐ E I don't know
-

What is the result of the following code snippet?

```
static void Main(string[] args)
{
    string s = "C:\\Temp\\test.txt";
    string x = Path.ChangeExtension(s, ".dat");
}
```

- ✓ 6. ☐ A The file stored at C:\\Temp\\test.txt is now renamed to C:\\Temp\\test.dat
☒ B x is now equal to "C:\\Temp\\test.dat"
☐ C I don't know.
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- ✓ 7. _____ is the process of automatically deallocating memory that is no longer used.
☐ A Disposal
☒ B Garbage Collection
☐ C Memory Destruction
☐ D Instantiation
☐ E I don't know
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- ✓ 8. Exceptions result from syntax errors and prevent the program from compiling.
☐ A True
☒ B False
-

- ✓ 9. When writing code to handle exceptions which keywords are often used? (select all that apply)
☒ A try
☐ B using
☐ C do
☒ D finally
☒ E catch
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- ✓ 10. Variables declared within a try-block are in scope outside of the try block.
☐ A True
☒ B False
-

What do the last two lines represent in the below exception?

Unhandled Exception: System.DivideByZeroException: Attempted to divide by zero.
at LectureExercises.Program.EnteringTwoNumbers() in C:\\Projects\\dotnet-cohort-1-exercises-completed\\exception-handling\\LectureExercises\\Program.cs:line 29
at LectureExercises.Program.Main(String[] args) in C:\\Projects\\dotnet-cohort-1-exercises-completed\\exception-handling\\LectureExercises\\Program.cs:line 14

- ✓ 11. ☒ A A stack trace indicating where in the code the exception occurred.
☐ B Detail on code that will not compile.