

STUDENT ACTIVITY 2.3_KEY: UNDERSTAND.NET NAMESPACES

MTA Course: 10754 Microsoft .NET Fundamentals

Topic: Understand.NET namespaces

File name: 10754_Msft.NET_SA_2.3_key

Lesson Objective

2.3: Understand Microsoft® .NET namespaces. *This objective may include but is not limited to:* understanding the reason for namespaces, the organization of namespaces in the class library, and how to use namespaces in an application.

Resources, software, and additional files needed for this lesson:

- None

Directions to the student:

Answer the questions by referring to the following source code.

```
namespaceSampleNamespace
{
    classSampleClass
    {
        public void SampleMethod()
        {
            System.Console.WriteLine(
                "SampleMethod inside SampleNamespace");
        }
    }

    // Creates a nested namespace and defines another class.
    namespaceNestedNamespace
    {
        classSampleClass
```

```

        {
public void SampleMethod()
        {
System.Console.WriteLine(
            "SampleMethod inside NestedNamespace");
        }
    }
}

```

1. What is the fully qualified name for the `SampleMethod()` that outputs the text “SampleMethod inside NestedNamespace”?
`SampleNamespace. NestedNamespace. SampleClass. SampleMethod`
2. What is the fully qualified name for the `SampleMethod()` that outputs the text “SampleMethod inside SampleNamespace”?
`SampleNamespace. SampleClass. SampleMethod`
3. What line can you add to the code if you wish to use the nested `SampleClass` without referencing the fully qualified name?

```

using SampleNamespace. NestedNamespace; // C#
Imports SampleNamespace. NestedNamespace ` Visual Basic

```