

STUDENT ACTIVITY 2.5: UNDERSTAND AND USE DIFFERENT DATA TYPES IN THE .NET FRAMEWORK

MTA Course: 10754 Microsoft .NET Fundamentals

Topic: Understand and use different data types in the .NET Framework

File name: 10754_Msft.NET_SA_2.5

Lesson Objective

2.5: Understand and use different data types in the Microsoft® .NET Framework. *This objective may include but is not limited to:* understanding intrinsic data types, values types, reference types, boxing, unboxing, and .NET collection classes.

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

- None

Directions to the student:

Answer the following questions. Verify your answers with the instructor.

For questions 1–6, identify each data type as either a **value type** or a **reference type**.

1. byte _____
2. String _____
3. char _____
4. int _____
5. Button _____
6. bool _____
7. double _____
8. Explain the difference between value types and reference types.
9. How would you refer to the third member of the elements in an array named `phoneNumbers`?
10. Data types specifically used for working with groups of related or similar data are called _____.