



TRAILHEAD
TECHNOLOGY PARTNERS

.NET and C# Training

Session 5

Today's Agenda

1. Review Assignment 4 (45 min)
2. C# Introduction (3 hr)
3. Assignment 5 (15 min)

Review Assignment 4

Assignment 4

- Create a console application that is a text-to-morse-code converter
- See the [Morse Code chart](#) on Wikipedia
- Ignore all non-alphanumeric characters
- Use '.' for dot and '-' for dash and a space between each character
- Sample interaction

Enter your text to convert to Morse code

This is a test

Your Morse code is:

- - - -

- Challenge: Offer the user a menu to select either 1) Text-to-Morse or 2) Morse-to-text and also implement conversions from Morse code to text

<https://github.com/jonathantower/learning-dotnet>

C# Introduction

Demo

Arrays

Demo

Collection Types

Demo

Try...Catch

Try...Catch...Finally

Demo

Throwing exceptions

Demo

IDisposable and Using block

Advanced Visual Studio

Demo

Visual Studio Panes: Documents, Solution Explorer, Toolbox, Properties, Output, Object Browser

Assignment 5

- Pick a game to implement as a console app:
 - Write a Rock, Paper, Scissors game for one player vs the computer
 - Write a Hangman game for one player to guess a word selected by the computer
 - Write a Battleship game for two human players. Extra credit for a one-player vs computer mode