



Module 1 Day 5

Command-Line Programs

Pairs Exercises

- Pairs assigned
- Clone your repository
- Pair programming vs. parallel programming
- Make sure both partners get a chance to “drive”
 - Each partner should push their changes and pull their partner’s changes

Command-Line Programs

- Console I/O (Standard I/O)
 - Console.Write method
 - Console.WriteLine method
 - Using Placeholders
 - Console.ReadLine method
- Converting a string to a number
 - Parse method

Creating a Command-Line Program

- Room Paint Calculator
- Collect from user:
 - Length of the room (ft)
 - Width of the room (ft)
 - Previously painted?
- Assumptions:
 - Height of room is 8 ft. Room has 4 walls and no windows. A gallon covers 300 sq ft unpainted, or 400 sq ft previously painted wall
- Calculate the number of gallons to purchase
- Ask the user if they'd like to do another

Creating a Command-Line Program

- Interest calculator
 - Initial Principal: p
 - Interest Rate: r
 - Investment time (years): t
- Calculate balance after n years:
 - Balance = $p * (1 + r)^{**t}$