Module
Data Types, Variables, and Constants

Lesson
Data Types, Variables, and Constants

Lecture
Floating Point Data Types

In this lecture, we'll discuss the various data types we use to represent real numbers in C#

Discuss the problem of approximating the continuous domain, with an infinite number of numbers between 0 and 1, in the discrete domain using binary

- Floating point numbers
- `float, double`
  - Different number of bits in memory for each type
  - What does that tell us?
- Operations are all as you'd expect

- Recap
  - C# provides a variety of data types for representing real numbers