# C# Basics

## Goal 1: Able to use reference and value types correctly

<http://www.albahari.com/valuevsreftypes.aspx>

The **stack** (first-in last-out memory structure) is always used to store the following two things:

* The reference portion of reference-typed local variables and parameters (such as the **myTextBox** reference)
* Value-typed local variables and method parameters (structs, as well as integers, bools, chars, DateTimes, etc.)

The following data is stored on the **heap** (<https://en.wikipedia.org/wiki/Heap_(data_structure)>):

* The content of reference-type objects.
* Anything structured inside a reference-type object.