

## Value Types V/s Reference Types

The *type* of a data item defines how much memory is required to store it and the data members that comprise it.

The **type** also **determines where** an object is stored in memory—the **stack** or the **heap**.

Types are divided into two categories:

- 1, value types
- 2, reference types.

Objects of these types are stored differently in memory

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**Value types** :- require only a single segment of memory, which stores the actual data **in stack**

**Reference types** :- require two segments of memory:

**Actual data** → is always located in **the heap**

**Reference to data** → stored in stack or heap

