

9.7.11

Data Structures

- String's `PadLeft(n)`
- `Name.PadLeft(20)` - fits variable Name into 20 columns, empty columns are spaces, this is used for alignment
- `PadRight()` also aligns left, `PadLeft()` aligns to the right
- if the string is longer, then it will do that, `PadLeft` or `PadRight` only works with strings of lesser size
- Nullable types are not available in Java
- important to have these because nulls exist in a database
- it is simply a value type with no value
- `int? Number = null`
- `?` is the key
- all nullable types have two public properties
- `HasValue` is a boolean
- `Value` returns current value if it is not null, throws exception if it is null
- null coalescing operator - `??` - return's either the value or returns a specified value if variable is null
- decimal balance = bal ?? 0.0m;
- String is C# can use `==` or `!=`