

Processing and Parsing Strings



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Overview



Review source data

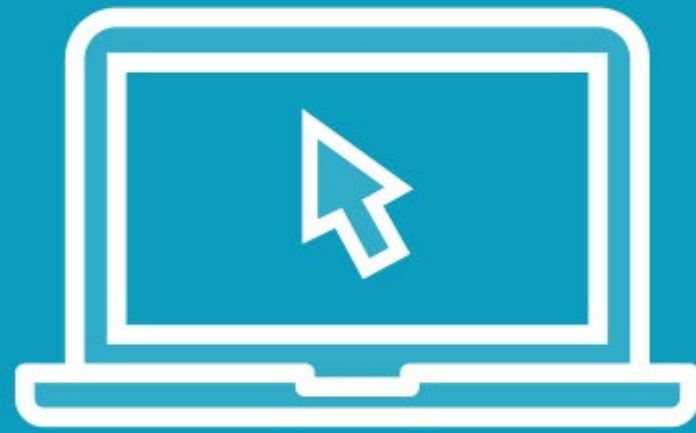
Assign empty strings

Split strings

Parse string data



Demo



Understanding the source data

- Review the structure of the sample sales data files



Demo



Assign empty string values



Demo



Split strings on a specific character





Warning!

We will apply techniques to process string data which may be found in third-party libraries. Consider preferring a library if it reduces the code you must manually maintain.



We'll handle parsing data manually in this course, to learn and master various string manipulation techniques.



Demo



Parsing strings to other .NET types

- Integers
- Longs
- Doubles
- DateTimeOffset



What is Parsing?



An operation which converts a string into another .NET type

- Parse a string into a DateTime object

The reverse of formatting types to strings

Involves rules and considerations affected by culture

An IFormatProvider can influence how a string value is interpreted

```
public static long Parse (string input);
```

```
public static bool TryParse (string? input, out long result);
```

Static Parsing Methods

Prefer TryParse to avoid exception handling and simplify the flow of application code.

Up Next:
Applying Regular Expressions

