Data binding is a technique for connecting a data source to controls on a user interface layer. When the data source changes, the controls displaying the data change. When the control changes the data, the underlying source is changed. This is 2 way data binding.

**Come back to learn binding with WPF.**

Windows forms support data binding.

You can bind a sequernce of data to the DataSource property of a control, to populate that control with data.

Windows forms also provides a BindingSource control. This provides an intermediary between the data and the control

DataGridView of winforms can display the properties of an object in row/column format

Assigning a Linq query as the DataSource won’t work because of deferred execution. Adding .ToList() on the end fixes the issue as ToList forces the query to execute.

If you want to use anonymous types to create a data binding to winform controls, make sure you don’t pass back as a method result as it will be of type object.

If you bind using anonymous types then the data is no longer editable. This is because anonymous types are immutable in C#.

To bind to a ComboBox you need 3 things:

1. DataSource to bind to a ComboBox
2. A property from that dataSource to bind to the display called the DisplayMember
3. A property from the DataSource that defines the selected value or value member. The value returned when the user selects from the ComboBox