16 – Template Method

# Setting

* Defining pretty-printing algorithms in XML
  + And later adapted to other text structuring by reusable, configurable steps.

# Steps

## 01 🡪 02

* Add IPrettyPrinter (for nicety)
  + Print( ExpandoObject obj, string name = “object” )
* Introduce base class PrettyPrinterBase : IPrettyPrinter with Template Method Print()
  + Print( ExpandoObject obj, string name = “object” )
    - Includes the steps from Program.cs
  + Virtual PrintPreamble()
  + Abstract PrintBegin()
  + Abstract PrintEnd()
  + Abstract PrintProperty()
* Create XmlPrettyPrinter : PrettyPrinterBase
  + Override the methods as in Program.cs specification
* Modify Program.cs to use new classes
* Additionally: See that it works without repetition for person2 = Bruce Campbell…

## 02 🡪 03

* Create JsonPrettyPrinter : PrettyPrinterBase
  + Remember: \_firstProperty as member and **in Begin()** to keep track on when there should be comma before or not
* Use new interface + class in Program.cs