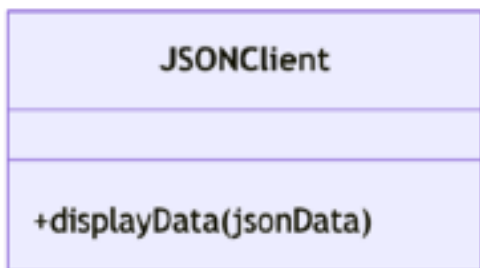
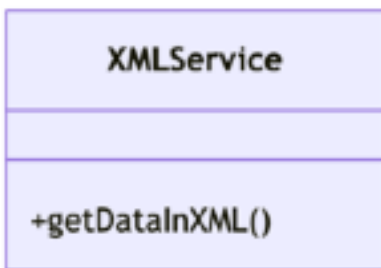


- Implement the **Adapter Pattern** to convert XML data from a service to JSON for a JSON-only client. Use the object adapter method to wrap the XML service and translate its output to JSON.

# Step 1: Define Incompatible Service and Client Classes



- Let's start by defining two incompatible classes:
  1. A **Service class** that provides data in XML format.
  2. A **Client class** that requires data in JSON format.