Experiment 2:-

Implement and import the XML file with sub directories.

To implement and import an XML file with subdirectories in **Spoon (Pentaho Data Integration - PDI)**, follow these steps:

**Step 1: Prepare Your XML File**

Ensure that your XML file is properly structured and saved in an accessible location. Since you mentioned subdirectories, your file path should be something like:

C:\data\input\demo\_details.xml

**Step 2: Open Spoon (PDI)**

1. Launch **Spoon** (Pentaho Data Integration - PDI).
2. Create a **New Transformation**.

**Step 3: Add an "Get Data from XML" Step**

1. In the **Design** tab, go to **Input** and drag **"Get data from XML"** to the canvas.
2. Double-click the step and configure:
   * **Filename:** Browse and select your XML file (e.g., C:\data\input\demo\_details.xml).
     1. **Loop XPath:** Define the main repeating element. For example, if you are extracting

/DemoDetails/Product

* + Click **Get Fields** to auto-detect fields.

**Step 4: Add "Output" Step (Optional)**

1. Drag **"Table Output"** or **"Text File Output"** from the **Output** section.
2. Connect the **"Get Data from XML"** step to this new step.
3. Configure the output settings:
   * For **Table Output**, configure database connection.
   * For **Text File Output**, set a destination file.

**Step 5: Handle Subdirectories (If Needed)**

If your XML files are stored in **multiple subdirectories**, use:

1. **"Get File Names"** step (Input → Get File Names)
   * Set the main directory (e.g., C:\data\input\)
   * Enable **Include Subfolders**.
2. Connect it to **"Get Data from XML"** using a **Filename Field**.

**Step 6: Run the Transformation**

* Save your transformation (XML\_Import.ktr).
* Click **Run** (green play button).
* Check the output in the target database or file.



