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## **ASSIGNMENT 3**

### **DOCUMENTATION:**

This code uses the xml.sax library to parse an XML file called "compiler.xml". It defines a custom ContentHandler class called "BookHandler" which has several methods to handle different types of elements in the XML file.

The class has several variables, such as "CurrentData", "book", "author", "title", "genre", "price", "publish", "description" and "book\_list", which are used to store the data that is extracted from the XML file.

The init method is called when an instance of the class is created and it initializes the variables.

The startElement method is called when the parser encounters a starting tag in the XML file. It checks if the tag is "list" and if so, it stores the value of the "id" attribute in the "book" variable.

The endElement method is called when the parser encounters an ending tag in the XML file. It checks the value of "CurrentData" and assigns the value to the corresponding variable. If the tag is "list", it appends the data to the "book\_list" variable.

The characters method is called when the parser encounters the text content of an element. It assigns the content to the "CurrentData" variable.

Finally, the code creates an instance of the "BookHandler" class, sets it as the content handler for the xml.sax parser, and parses the "compiler.xml" file. It then writes the extracted data to a CSV file called "ss.csv".

**GITHUB LINK :**

**<https://github.com/AJ-10-SHAH>**