

What is the use of the following libraries:

1. Requests

A. The `requests` library in Python is used to send HTTP requests to websites and web servers. It simplifies communication over the internet by allowing developers to easily perform actions like GET, POST, PUT, and DELETE. With `requests`, you can download webpages, interact with APIs, send data to servers, retrieve JSON responses, and automate web-based tasks. It handles complexities such as cookies, headers, sessions, and error handling. Overall, it is essential for web scraping, API integration, and any program needing internet communication.

2. bs4 (BeautifulSoup)

A. The `bs4` or **BeautifulSoup** library is used for parsing HTML and XML documents. It helps extract specific information from webpages by navigating through tags, attributes, and text. BeautifulSoup makes it easy to search for elements, clean messy HTML, and structure data for analysis. It is commonly used in web scraping to extract titles, prices, tables, links, and other structured data from websites. Together with the `requests` library, it enables powerful and efficient web data extraction.