**ASSIGNMENT-1**

**Web Scrapping:**

Web Scraping is a technique to extract a large amount of data from several websites. The term **"scraping"** refers to obtaining the information from another source (webpages) and saving it into a local file. For example: Suppose you are working on a project called **"Phone comparing website,"** where you require the price of mobile phones, ratings, and model names to make comparisons between the different mobile phones. If you collect these details by checking various sites, it will take much time. In that case, web scrapping plays an important role where by writing a few lines of code you can get the desired results.

**Usage:**

Web scrapping is used to extract the data from websites. But we should know how to use that raw data. That raw data can be used in various fields. Like, Market research, Email gathering, social media (**Facebook, Instagram, shopping websites**, Research and Development (**general information, statistics, and temperature**).

**How does it works:**

* **Step -1: Find the URL that you want to scrape.**
* **Step - 2: Inspecting the Page.**
* **Step - 3: Write the code.**
* **Step - 4: Store the data in the file**

**Library used for web scrapping:**

* **Pandas**: Pandas library is used for **data manipulation and analysis**. It is used to extract

the data and store it in the desired format.

* **BeautifulSoup**: BeautifulSoup is a Python library that is used to pull data of HTML and XML files. It is mainly designed for web scrapping. It works with the parser to provide a natural way of navigating, searching, and modifying the parse tree.