

# WHAT IS WEB SCRAPING?

- Web scraping is an automated method used to extract large amounts of data from websites.
- The data on the websites are unstructured.
- Web scraping helps collect these unstructured data and store it in a structured form.
- There are different ways to scrape websites such as online Services, APIs or writing your own code.





# WEB SCRAPING WITH PYTHON!

## SOCIAL MEDIA SCRAPING

Web scraping is used to collect data from Social Media websites such as Twitter to find out what's trending.

## RESEARCH AND DEVELOPMENT

Web scraping is used to collect a large set of data (Statistics, General Information, Temperature, etc.) from websites, which are analyzed and used to carry out Surveys or for R&D.

## PRICE COMPARISON

Services such as SkyScanner and booking.com use web scraping to collect data from online shopping websites and use it to compare the prices of products.

# DIFFERENT PURPOSES

- Selenium: Selenium is a web testing library. It is used to automate browser activities.
- BeautifulSoup: BeautifulSoup is a Python package for parsing HTML and XML documents. It creates parse trees that is helpful to extract the data easily.
- Pandas: Pandas is a library used for data manipulation and analysis. It is used to extract the data and store it in the desired format.