**Assignment 3**

**Objective**: Learn and apply web scraping techniques using Python to extract data from web pages, focusing on understanding and utilizing various tools and methods.

**Scope**: This assignment will involve scraping a simple, legally permissible website (e.g., a webpage displaying weather data, book listings, or movie reviews). Ensure the chosen website allows scraping by checking its **robots.txt** file and terms of service.

**Tasks:**

1. Choose a Website:

* Identify a website to scrape. Verify that the website permits scraping.
* Briefly describe the website and the data you intend to scrape.

1. Set Up Your Environment:

* Install necessary Python libraries (requests, Scrapy, etc.).
* Set up a Python script or Jupyter notebook for your scraping code.

1. Data Extraction:

* Use the requests library to send an HTTP request and retrieve the content of the webpage.
* Parse the webpage content using Scrapy to extract relevant data (e.g., titles, descriptions, ratings).

1. Data Cleaning:

* Clean and organize the scraped data into a readable and usable format.
* Handle any missing or inconsistent data entries.

1. Data Storage:

* Store the extracted data in a structured format like a CSV file or a Pandas DataFrame.

**Submission**: A detailed report including the code (Jupyter Notebook is okay), and scraped data (or a sample of it). For your comments and headers, please use the *markdown* option. Send it to the “announced” e-mail address. Name your notebook file as follows: Name\_Surname\_Assignment3.