**Packages Used and Code to install: -**

**Assignment 1:-**

1. To run the provided Python script, the following packages need to be installed:

1. pandas
2. swifter
3. concurrent.futures (part of Python's standard library, no need to install)
4. re (part of Python's standard library, no need to install)
5. socket (part of Python's standard library, no need to install)
6. json (part of Python's standard library, no need to install)
7. os (part of Python's standard library, no need to install)

**Code:** pip install pandas swifter

2. To run the provided R script, the following packages need to be installed:

1. jsonlite
2. tidyverse
3. urltools
4. httr
5. parallel
6. doParallel

**Code:** install.packages(c("jsonlite","tidyverse","urltools","httr","parallel","doParallel"))

**Assignment 2:-**

**Python Libraries:**

1. playwright - Used for browser automation and extracting data from web pages.
2. beautifulsoup4 - Used for parsing HTML content.
3. pandas - Used for creating and saving data to CSV files.
4. re - Part of the Python standard library (no need to install separately).
5. os - Part of the Python standard library (no need to install separately).

**Code:** 1. pip install playwright beautifulsoup4 pandas

2. playwright install