**Coding Challenge Problem Statement: Scraping and Dashboard Building using Streamlit**

Objective:

Build a data pipeline that involves web scraping, data storage, transformation, and the creating and deploying of a Streamlit dashboard.

Challenge Steps:

Step 1: Web Scraping (25 points)

Your first task is to scrape data from the website https://books.toscrape.com/.Extract the following information for each book: title, rating, price, and availability (In stock/Out of stock).

Step 2: Data Storage (20 points)

Store the scraped data into a database or data warehouse. You can choose between PostgreSQL or Snowflake(recommended).

Step 3: Data Transformation (5 points)

Apply any necessary transformations to the data if required. Ensure that the data is in a suitable format for analysis.

Step 4: Streamlit Dashboard Development (25 points)

Retrieve the data from the chosen database/data warehouse. Build a Streamlit dashboard that displays various comparisons and visualizations including Sorting and filtering options.

Step 5: Deployment (25 points)

Deploy the Streamlit application. Choose a suitable platform for deployment. Ensure that the deployed application is accessible through a web browser.

Note: Submit all the code files & other relevant files into your respective folders, and submit your deployment link in a text file.