Data Engineer (Python) Test

**Scenario:**

Your Business Intelligence team has been tasked with creating a visualization illustrating the comparative performance of soccer teams in 2020, 2021 and 2022 in the English Premier League. The KPIs they are looking for are derived from games won, drawn, lost, goals for and goals against, for the EPL teams in the desired timeframe.

They have reached out to you so that you can help summarize and download the necessary data from <https://api.football-data.org/> , a third party open data API. Your manager was able to get a set of credentials for you to use (refer git repo).

The data needs to be in a tabular format (csv/ excel), so that it can be readily consumed.

**Suggested tasks:**

1. Fork and clone the github repository at: <https://github.com/testingdata999/football.git>
2. On your local machine, create a virtual environment for Python
3. Identify the necessary end-points to use for the task at hand for <https://api.football-data.org/>
   * The API credentials can be found in the Readme file.
   * Further details about the available end-points and filters is available here: <https://www.football-data.org/documentation/quickstart/>
4. Create Python script(s) that are able to extract the data needed, and transform it to csv format.
5. Optimize the code and create unit tests in python.
6. Update dependencies (requirements.txt, gitignore, etc) files as needed.
7. Generate final csv output for submission.
8. Share the csv files created by the script as well the scripts to the git repository through a pull request against the original repository for review.

**Evaluation criteria:**

1. Ability of the code to get the job done.
2. Adherence to coding standards, including but not limited to commenting, use of functional approach, modularity, exception handling,
3. Management of dependencies and unit tests.