The code is full of comments and self explanatory log prints.

The code randomly generates the grouping of the clubs; also smartly re-runs if it gets stuck due to state-constraint, and outputs the final list on console and asks the user to save it in the Database.

Tools to Setup Runtime Environment

- The version of python used for this assignment is Python 3.7.
- External Libraries used-
  - my-sql-connector(ver. 2.2.9)
  - mysql-connector-python(ver. 8.0.22)
  - csv.py
  - random.py

#Recommended(not Mandatory)- The recommended IDE is PyCharm by JetBrains.

Steps to Execute the code

Using PyCharm

1. ***If possible, use PyCharm to import project, as it also includes the venv(Virtual Environment).***
2. ***Install MySQL; Run the DB server; Note the credentials required.***
3. ***Find and locate the "ustraa_clubs_dataset.csv" file.***
4. ***Run the csv_import.py file. (Follow the instructions on Console)***
5. ***Run main.py file. (Follow the instructions on Console)***

Otherwise

1. ***Create a new Virtual Environment with Python3.7, my-sql-connector(ver. 2.2.9) and mysql-connector-python(ver. 8.0.22).***
2. ***Install MySQL; Run the DB server; Note the credentials required.***
3. ***Find and locate the "ustraa_clubs_dataset.csv" file.***
4. ***Run the csv_import.py file. (Follow the instructions on Console)***
5. ***Run main.py file. (Follow the instructions on Console)***

Conclusion

The code successfully completes all the given problem statements of the assignment; it also includes csv_import.py which makes it easy for the user to input data into the database.