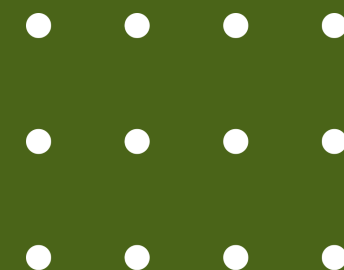
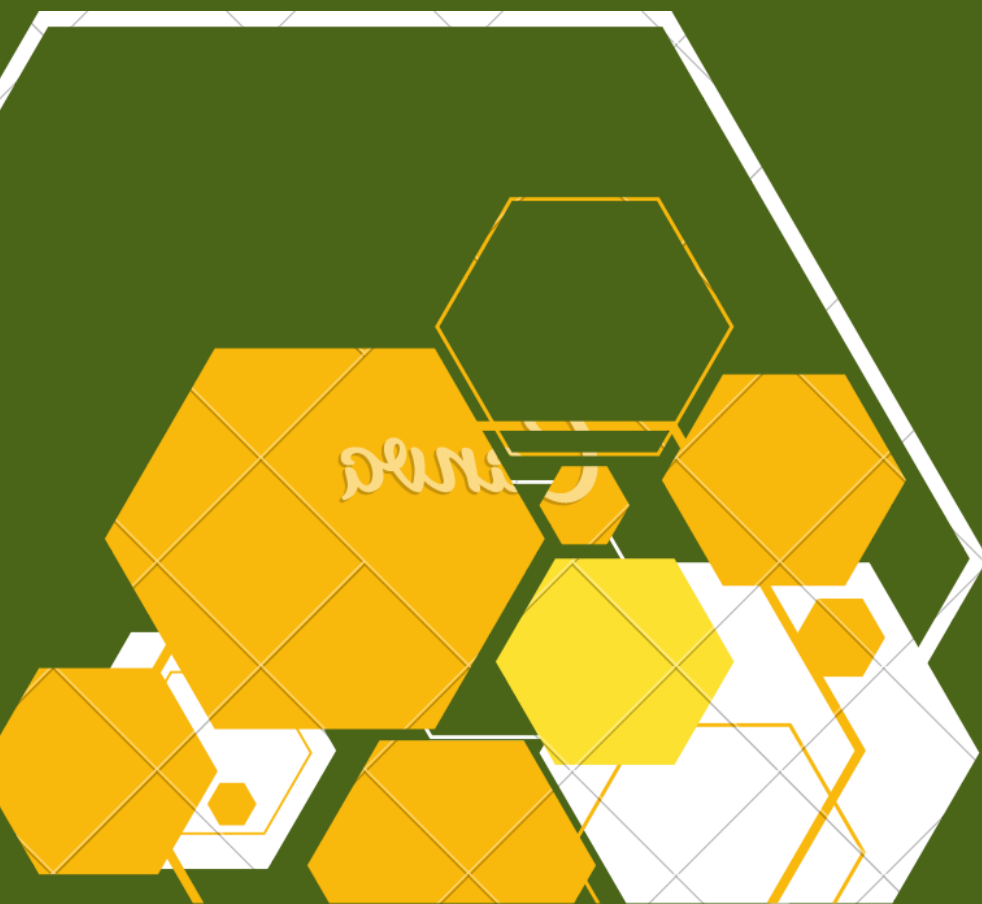


Python Hackathon

Code Warriors

- Arshiya
- Lena
- Shikha
- Usha



OUR APPROACH

01

Implementation of GIT
and GITHUB

02

Understanding Python Libraries
and Functions

Connected Postgres DB with Dataset
Analyzed given and extra queries

03

Peer Review and
Documentation

OUR TEAM COLLABORATION

RESPONSIBILITIES

Arshiya

Worked on Python queries, creation of GitHub Repository.

Lena

Worked on python queries, Documentation, GitHub management.

Shikha

Worked on Python Queries, Documentation, establishing SQL connection.

Usha

Worked on Python Queries, Extra Queries, PPT preparation.



python



Exploring Python Libraries and Functions

Libraries

Functions

Data
Manipulation
Libraries

Pandas,
Numpy

stack

Merge

iloc

sns.violinplot

Input

max

sns.heatmap

Visualization
Libraries

Matplotlib,
Seaborn, plotly

sort_values

Legend

fillna

plt.show

lambda

apply

get

corr

len

tolist

Database
Management

SQLite,
SQLAlchemy

pd.to_datetime

plot

count

value_counts

groupby

flatten

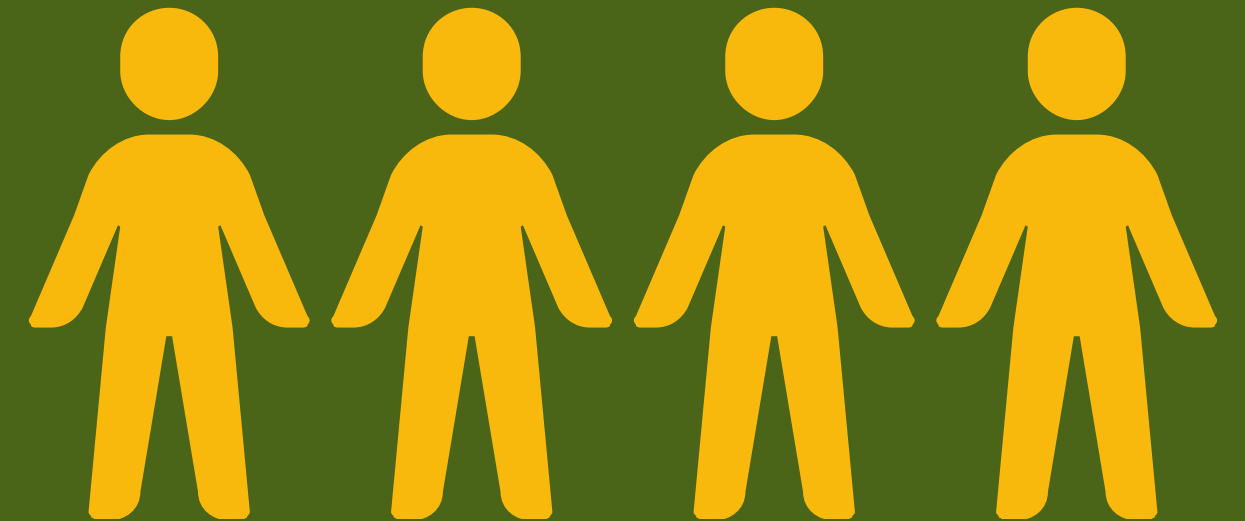
nlargets

reset.index

Challenges and Learnings

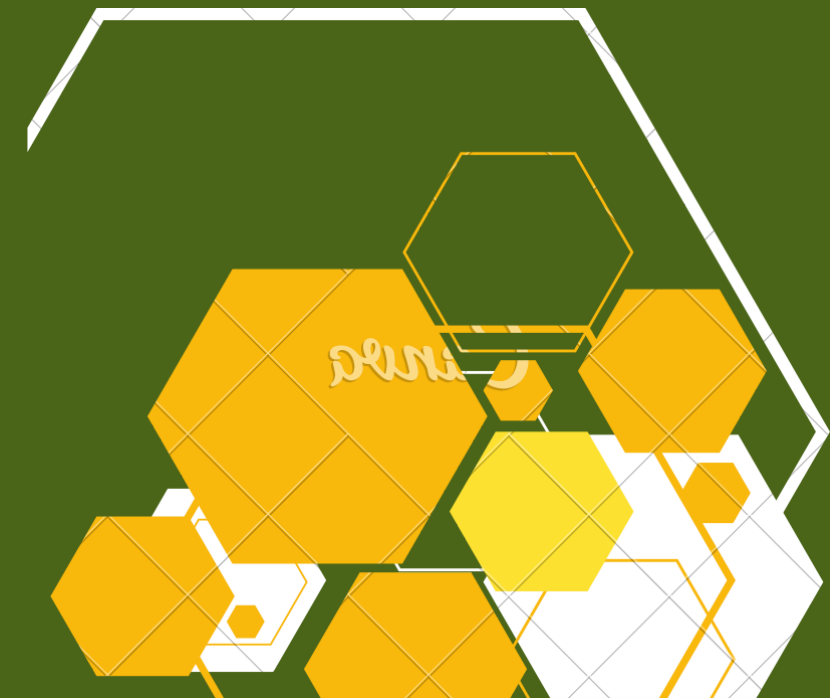
Challenges:

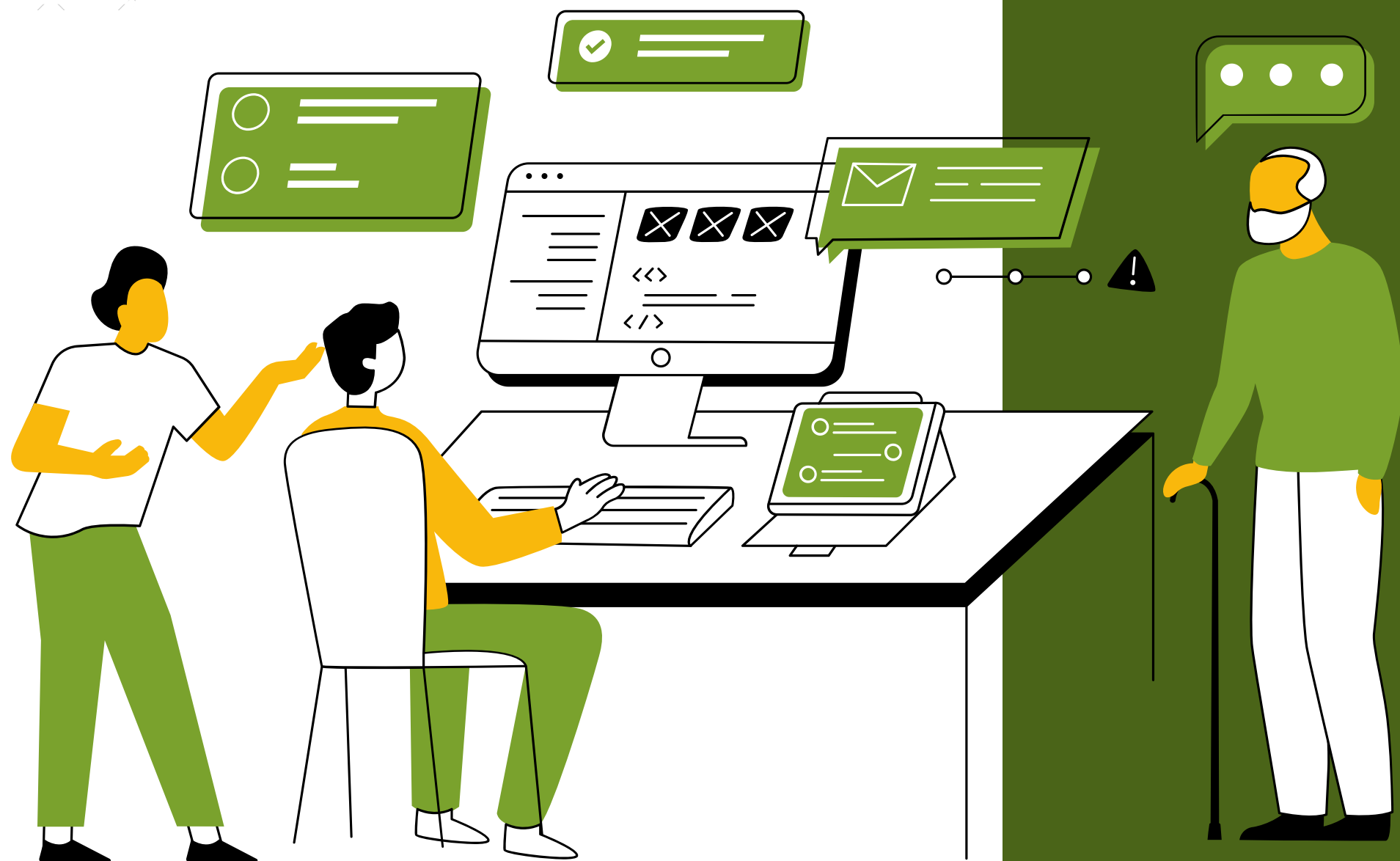
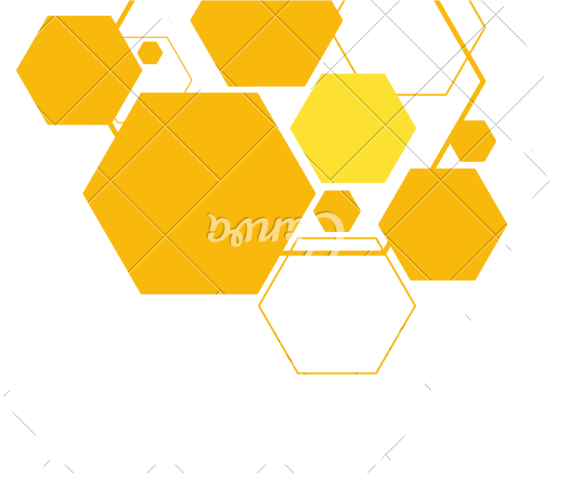
- Connecting GitHub Desktop with Jupyter Lab.
- Connecting dataset with Postgres
Consolidation of all queries.
- Displaying the graphs.



Learnings:

- Team collaboration with GitHub.
- Pushing and pulling the files with GitHub.
- Various Python Libraries.
- Visualizing the data.





THANK
YOU

