Task2- Twitter Data Analysis and Visualization:

Hashtag Used : #INDvsAUS

Files Contained in Task2 Directory:

1. **Json Files**:
   Tweets.json :
   - The Tweets were Collected using 'Twint' through the command line.
   - Command Used:
   - twint -s "#INDvsAUSTest" -o tweets.json --hashtags --limit 20000 --json
   - Contains twint tweet type objects
   - Approximately 20K tweets were loaded into the file.
   - Referenced Link: https://github.com/twintproject/twint/wiki

   User.json:
   - User data was collected using the tweepy API.
   - Approximately 6k users' data was loaded into the file
   - Contains User tweepy objects
   - Referenced Link: http://docs.tweepy.org/en/latest/

   MostLiked.json:
   - Stores the information about the users of the top 10 most like tweets.
   - Contains User tweepy objects

2. **Python Notebooks**:

   Visualization_task2.ipynb:

   - Code involves visualizing the data collected from tweets.json and user_data.json.
   - Used the Plotly module along with Dash web application to make interactive visualizations.
   - Hosted the dash application on heroku.
   - Referenced link : https://plotly.com/python/

   User_data.ipynb:

   - Code involves collecting user data using the tweepy API.
   - Collected list of Users from tweets.json file and then called the api to get further information wrt each user.
   - Referenced Link: http://docs.tweepy.org/en/latest/

Pdf versions of the respective notebooks have been added as well.
"Img.src" file (made for the word cloud).