# Crawling Folder

1. pip install snscrape and other necessary libraries
2. Run either the Crawling\_Twitter.ipynb or Crawling\_Reddit.ipynb

# Preprocessing Folder

1. The original data used for preprocessing is located at: Submission\_1-Group16.zip CSV Folder Uncleaned\_Data Folder **unclean\_labelled.csv** and **unclean\_others.csv**
2. pip install necessary libraries
3. Run the Preprocessing.ipynb
4. The processed labelled dataset will be used for the classification approach

# Classification Folder

1. The labelled data used for training and testing is located at: Submission\_1-Group16.zip CSV Folder Cleaned Folder **final\_labelled.csv**
2. pip install necessary libraries
3. Run the Classification.ipynb for the classification approach used in Q4.2

# Innovation Folder

1. The labelled data used for training and testing is located at: Submission\_1-Group16.zip CSV Folder Cleaned Folder **final\_labelled.csv**
2. pip install necessary libraries
3. Run the EnsembleLearning.ipynb, Bi-LSTM Polarity.ipynb and Bi-LSTM Subjectivity.ipynb for the innovation approaches used in Q4.3

# UI Folder

1. pip install necessary libraries
2. Run the UI.ipynb for the classification UI