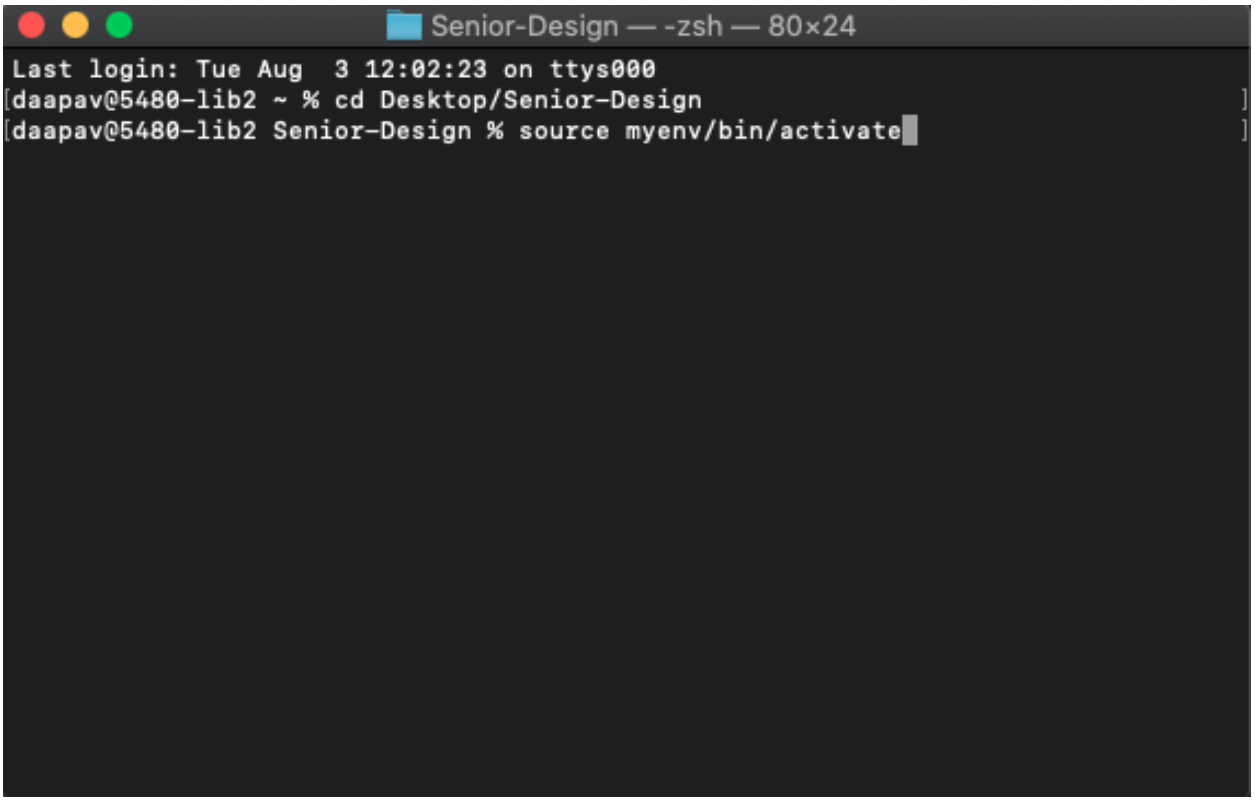
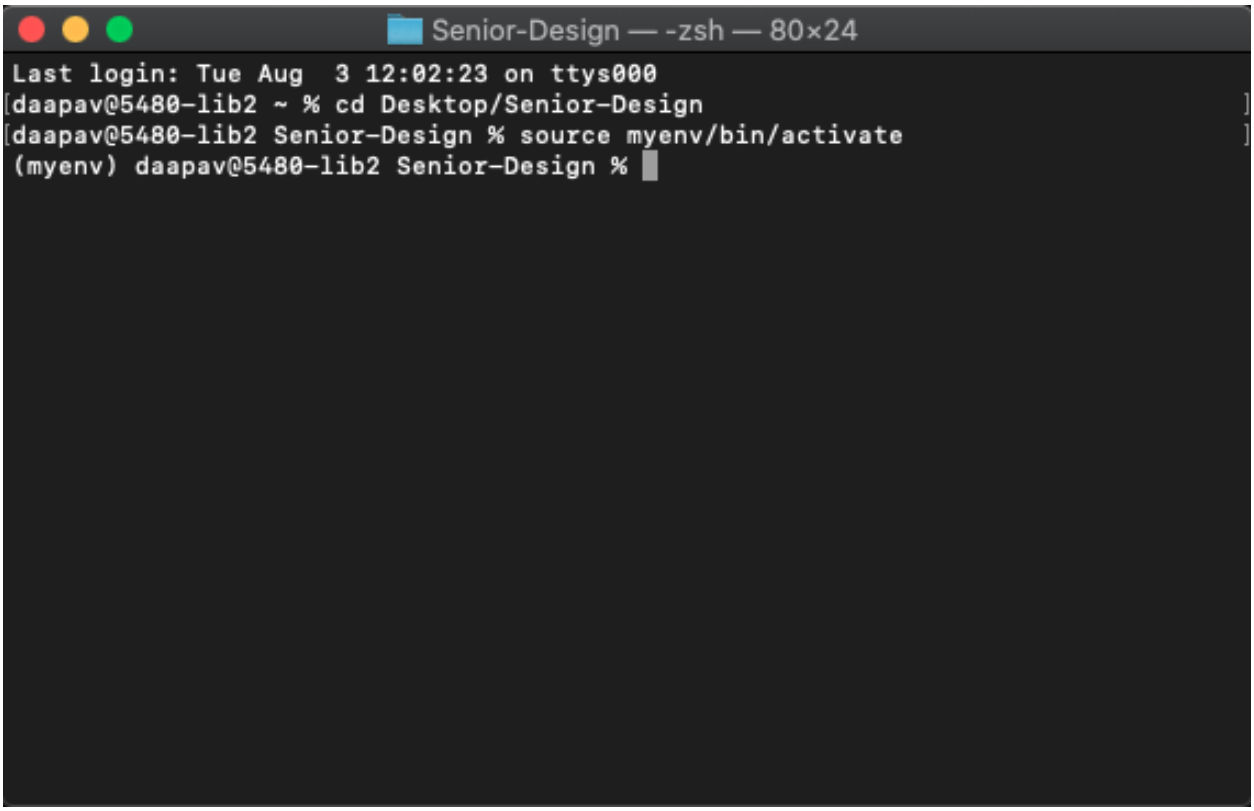
User Documentation –

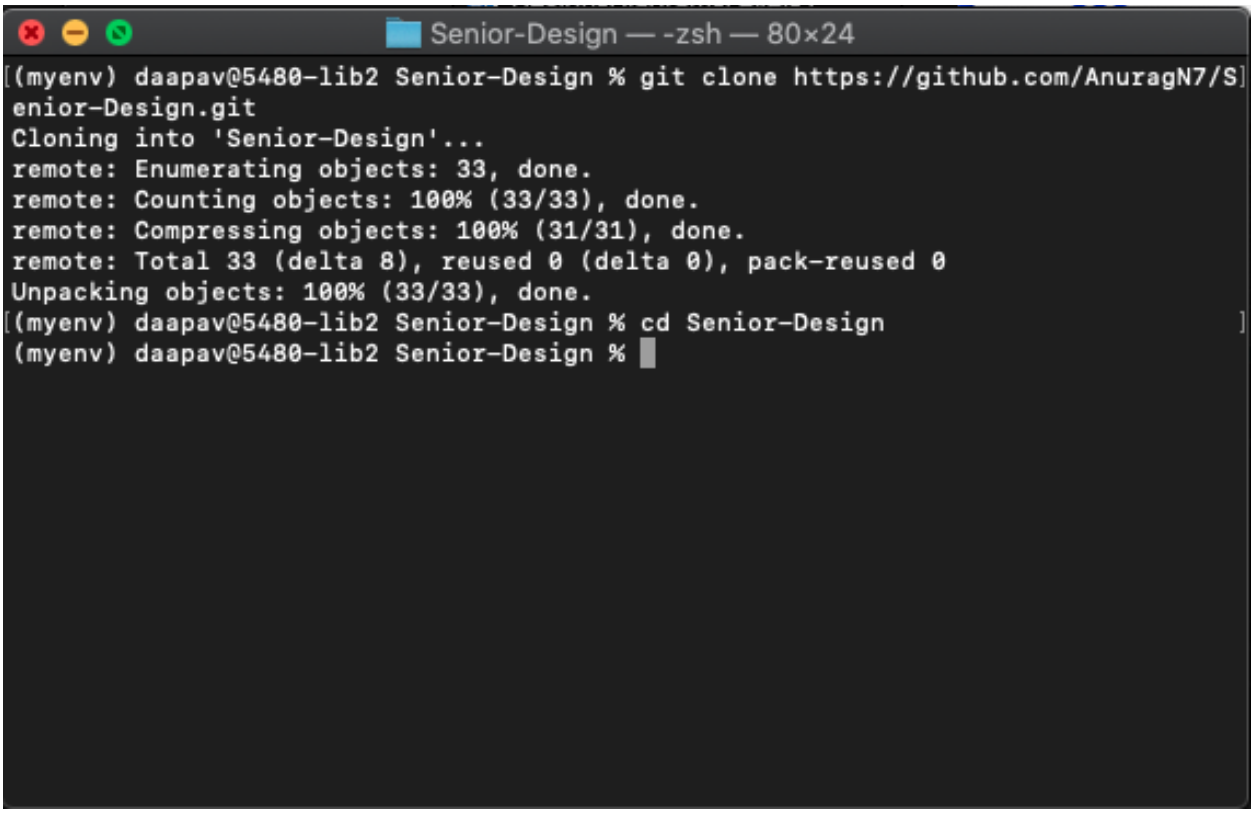
I assume the user has either MacOS or an Ubuntu distribution.

1. Install Python3.9:
   - MacOS – https://www.python.org/downloads/
   - Ubuntu - https://bit.ly/2WFEfN1
2. Set up a virtual environment –
   - MacOS - https://bit.ly/3ilTTWj
   - Ubuntu - https://bit.ly/3ij9qWG
3. Once the virtual environment has been configured, navigated to the folder it resides in and activate it.

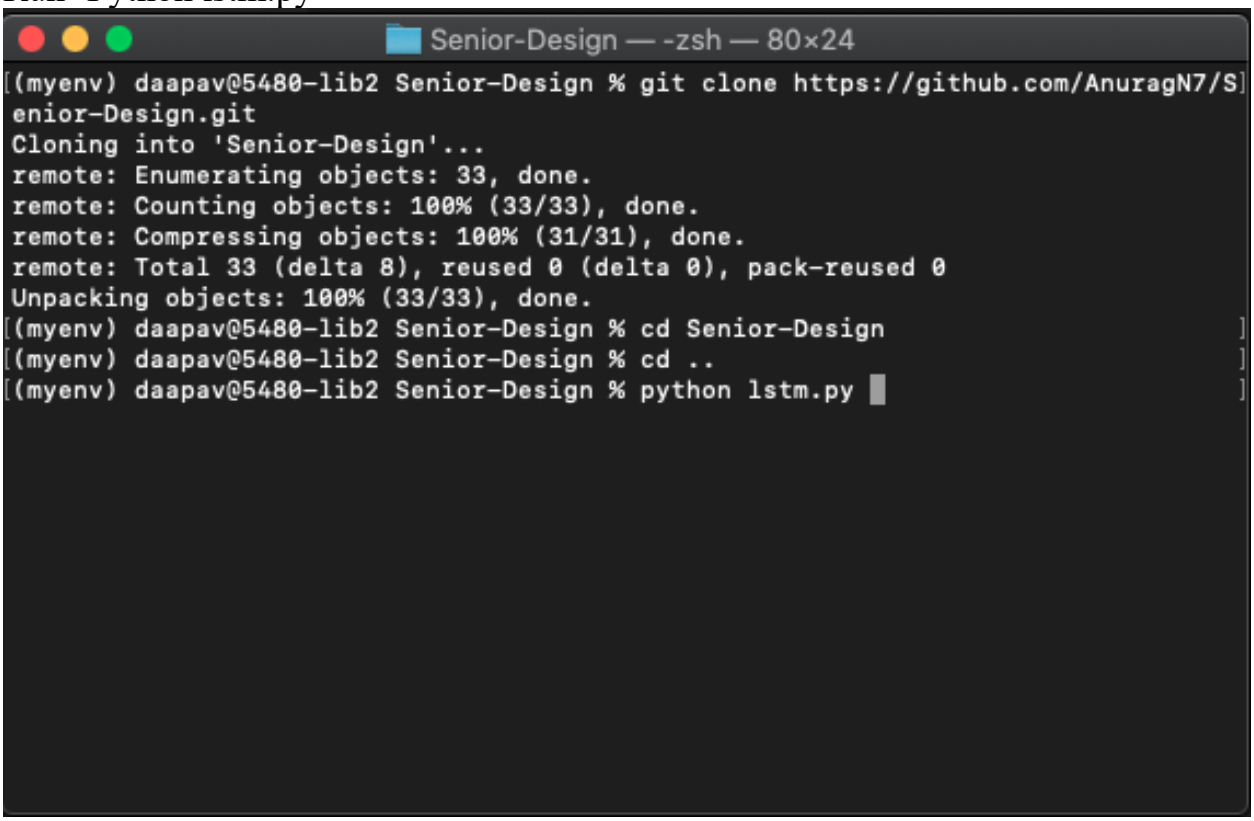




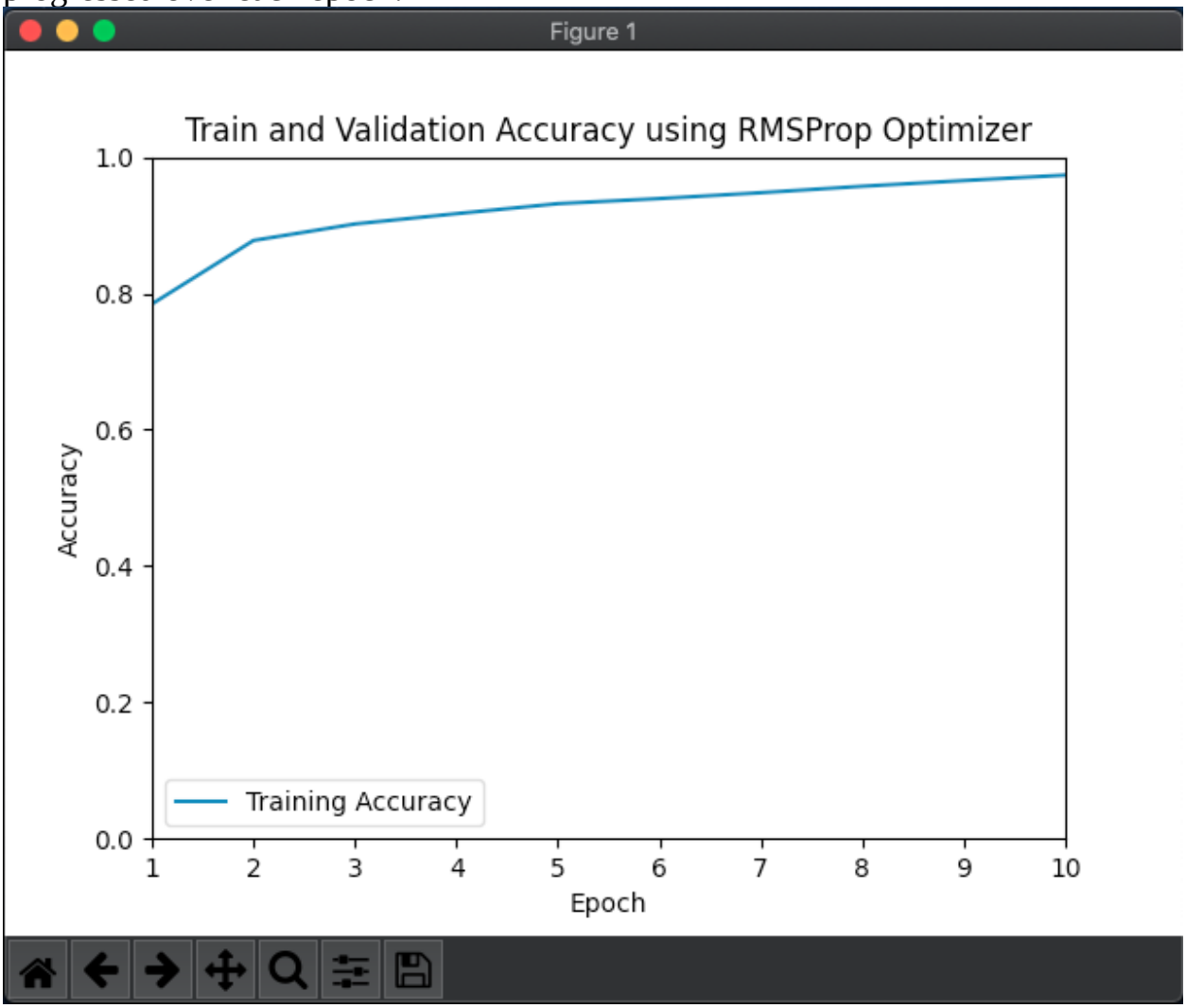
4. Clone the Github repository in the same directory the virtual environment is in and navigate to the Senior Design Directory.



5. Run ‘Python lstm.py’



6. After the training epochs are finished, the first plot reveals how training has progressed over each epoch.



7. The second is a heatmap revealing how well the Neural Network performed. (Please see next page)

Figure 1
10284
2216
1968
10532
Actual
Negative Sentiment
Positive Sentiment
Negative Sentiment
Positive Sentiment
Prediction