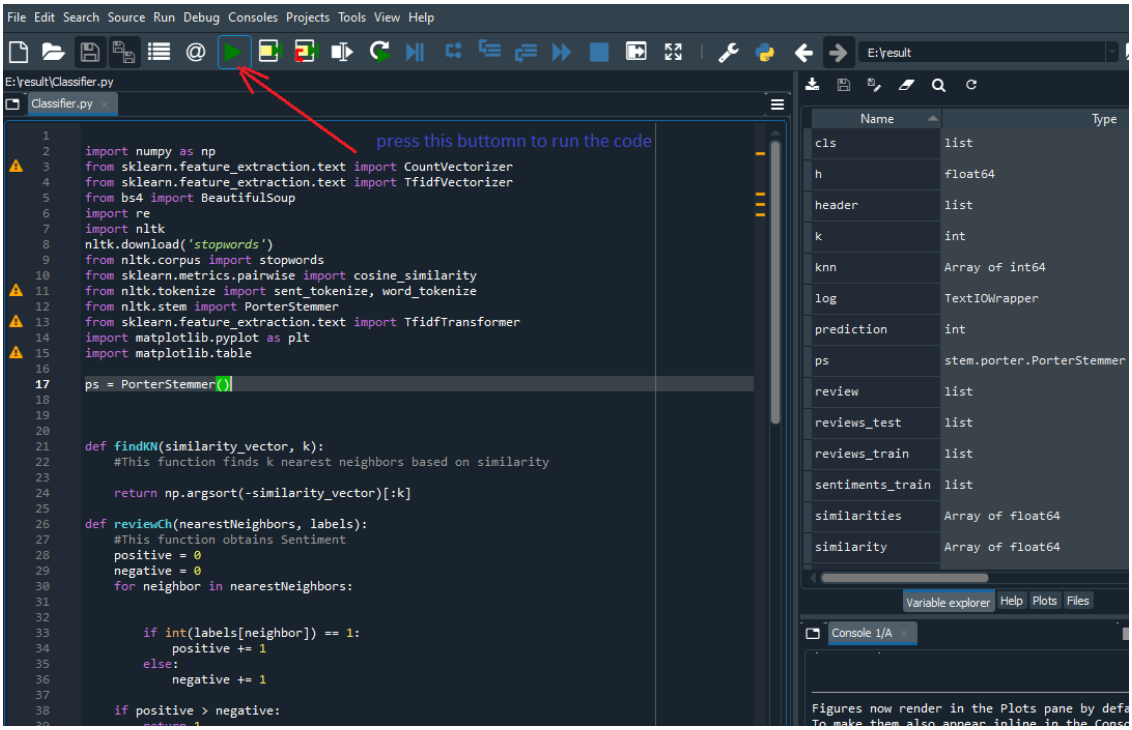
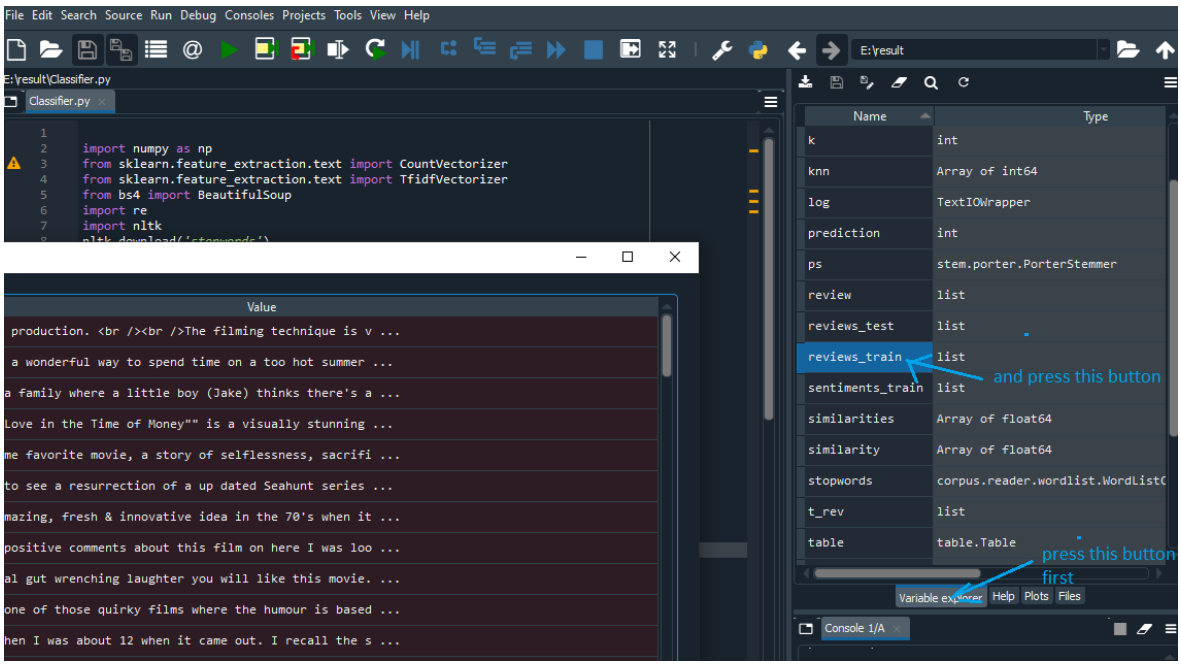
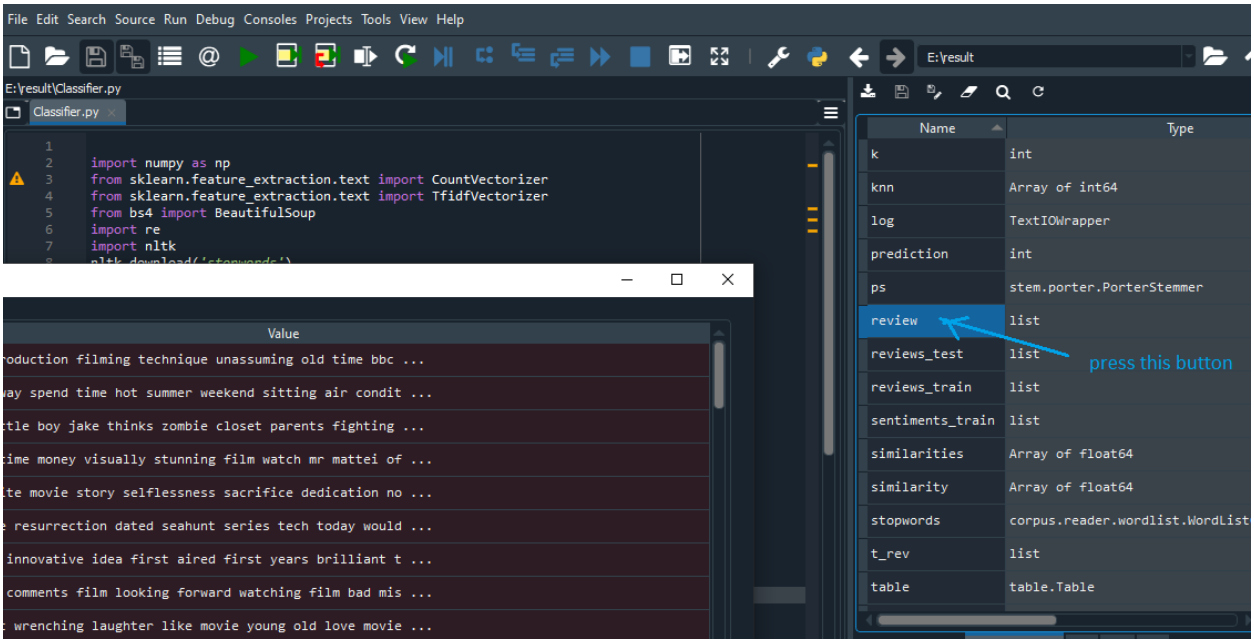
1. I have used anaconda and spyder.
2. Running the code



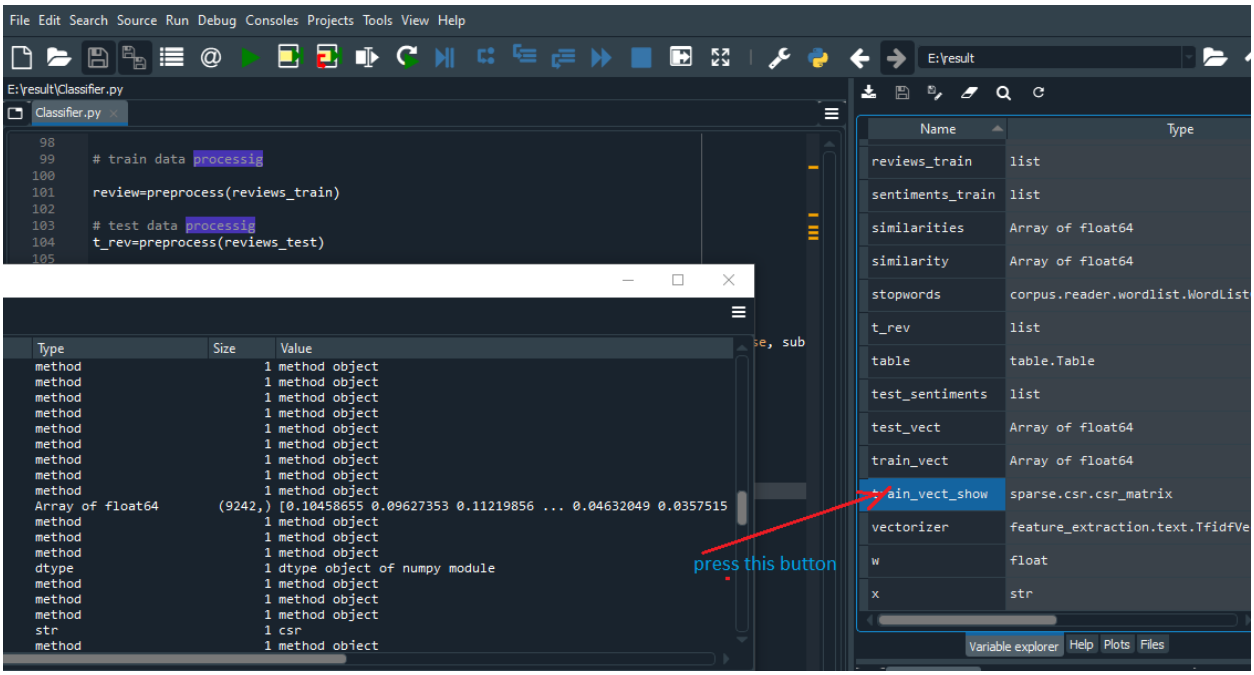
3. After the code run(it will takes about 5 minutes), Please, follow below figure to see training review.



4. Please follow below figure to see tokenized reviews



5.. Please follow below figure to see vectorized reviews of training review



5. To see similarity, press ‘similarities_show’ variable as above figures
6. To see k nearest neighbors, press ‘knn’ variable as above figures
7. To see the obtained testing sentiments, press ‘test_sentiments’ variable as above figures.

K-NN is implemented in the following function

```
def findKN(similarity_vector, k):
    #This function finds k nearest neighbors based on similarity

    return np.argsort(-similarity_vector)[:k]
```

The predicted sentiments are saved in format.txt.