To run the code type into terminal: *'python3 main.py "input sentence"*

The above will display all the three things calculated for the particular sentence.

```
→  Bigram-Model git:(master) × python3 main.py "Brainpower_NNP ,_, not_RB physic
al_JJ plant_NN ,_, is_VBZ now_RB a_DT firm_NN 's_POS chief_JJ asset_NN ._."
Brainpower_NNP ,_, not_RB physical_JJ plant_NN ,_, is_VBZ now_RB a_DT firm_NN 's
_POS chief_JJ asset_NN ._.
------Unsmooth Probability---------
0.0000000000000000006598683163069232381796065645861525568044 08
------Laplace Smooth Prob---------
0.000035036428874726701764713565623310387309174984693527221680
------Good Turing Prob---------
0.0000000000000000000000000000000000000000000000000000000000
```

```
→  Bigram-Model git:(master) × python3 main.py "hello from the other side"
hello from the other side
------Unsmooth Probability---------
0.0000000000000000000000000000000000000000000000000000000000
------Laplace Smooth Prob---------
0.000003559520194214382936162641840605047605095023754984140396
------Good Turing Prob---------
0.0000000000000000000000000000000000000000000000000000000000
→  Bigram-Model git:(master) ×
```

The file bigram.py contains the implementation of bigrams for this homework.

The trained model for the above implementation would be saved as the file "bigrams.txt"