**RASA WORK**

**ABDUL SABOOR & M.OWAIS**

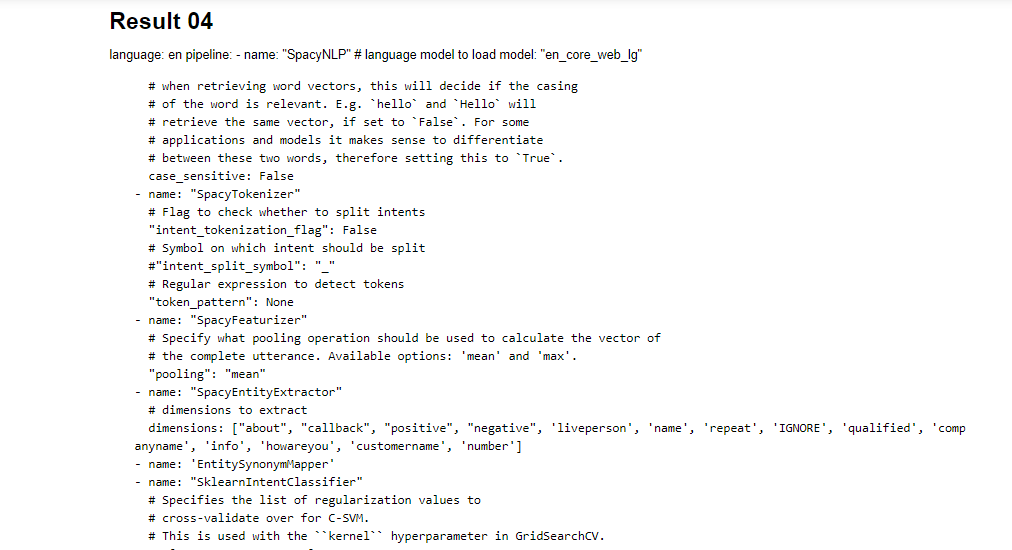
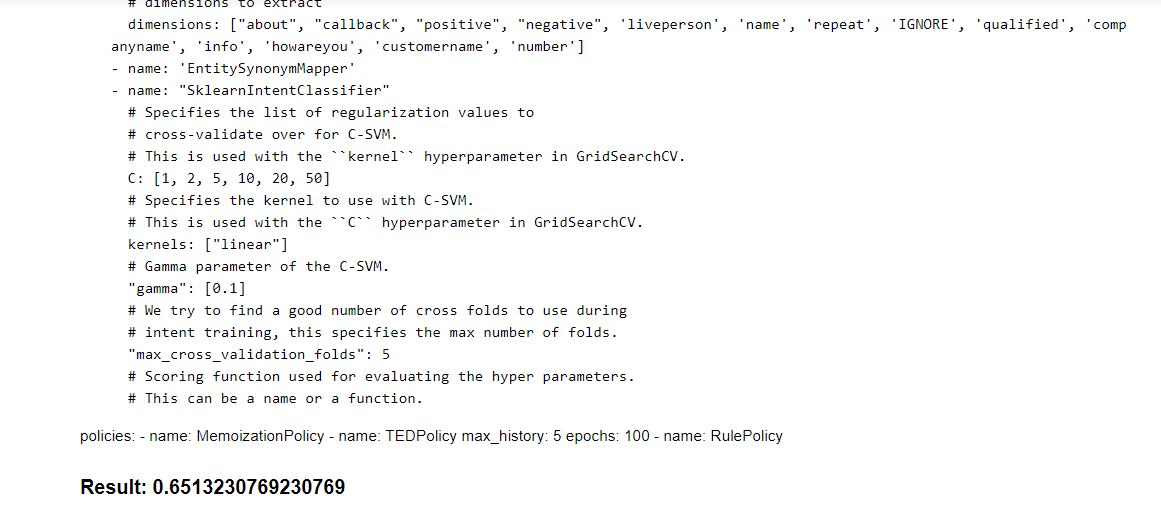
1. **DATA PREPROCESSING:**

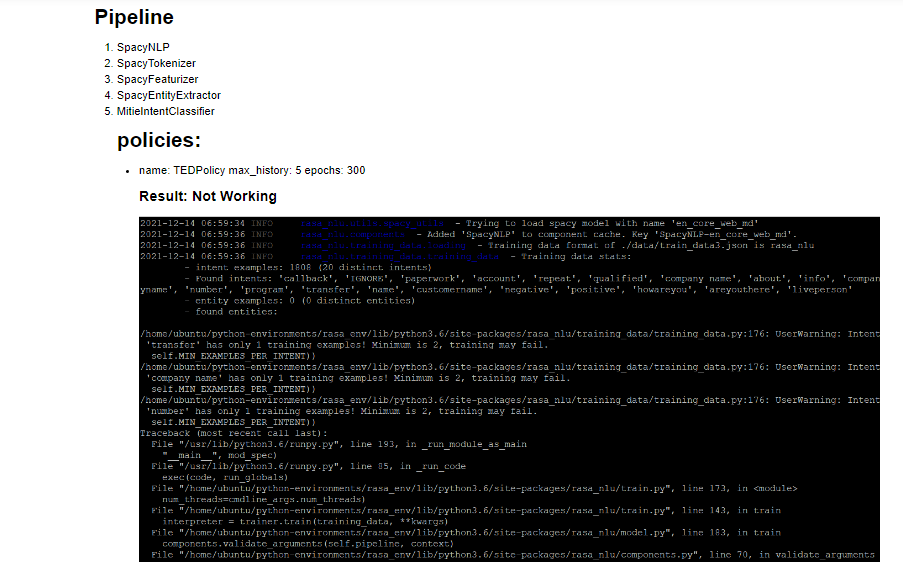
* Remove junk data
* Remove duplicates
* Remove meaningless sentence from the data
* Shuffling the data
* Split data into train and test
* Conversion of train data into json format

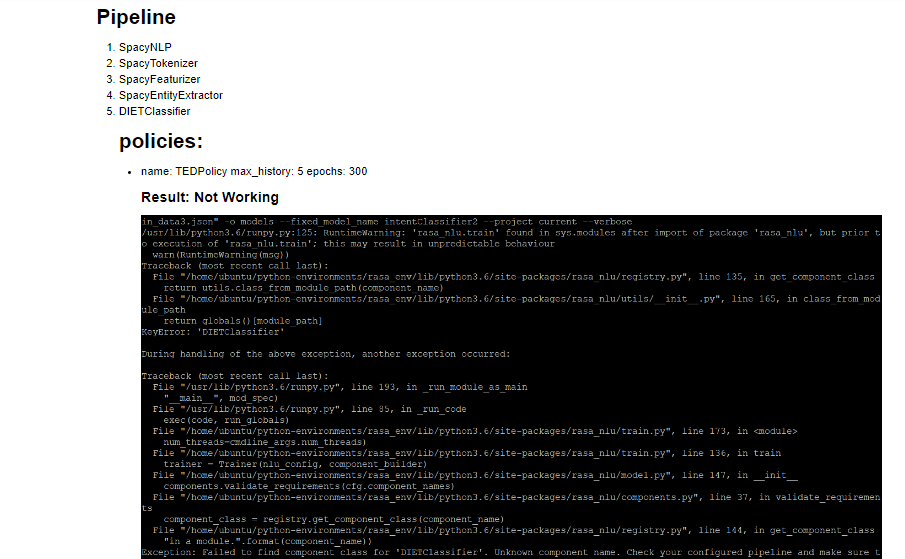
1. **Training on Rasa Model**

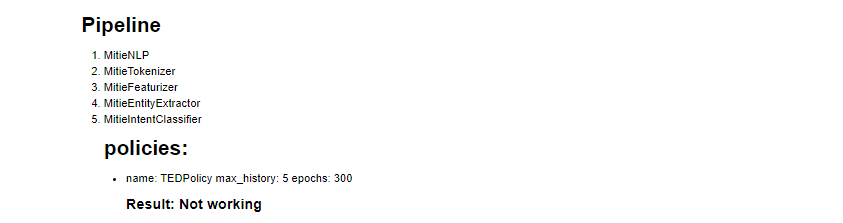
After training we test data and get the accuracy

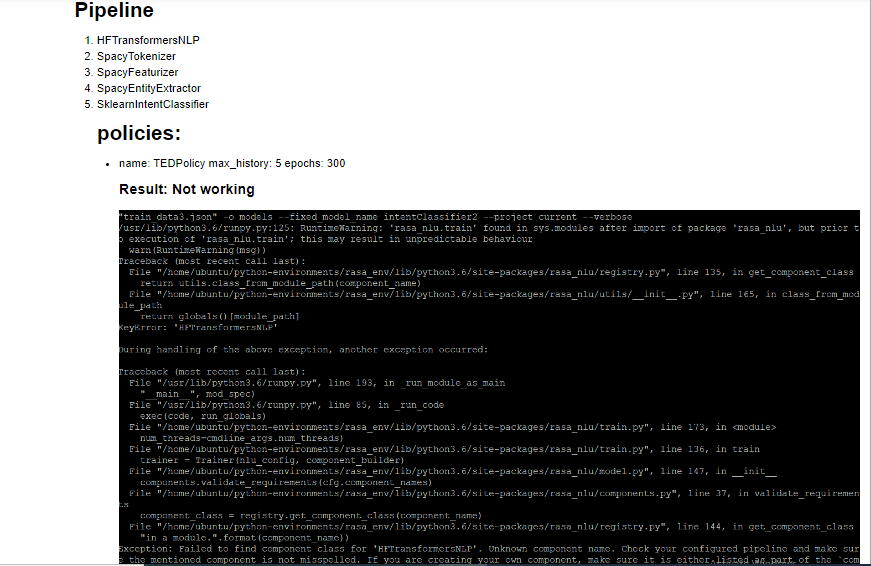
To improve the accuracy we try on different models and also cleaned the data in different ways

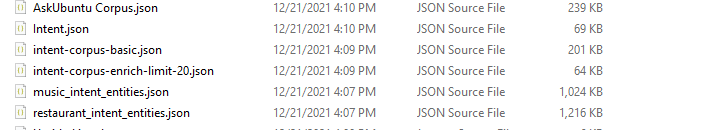
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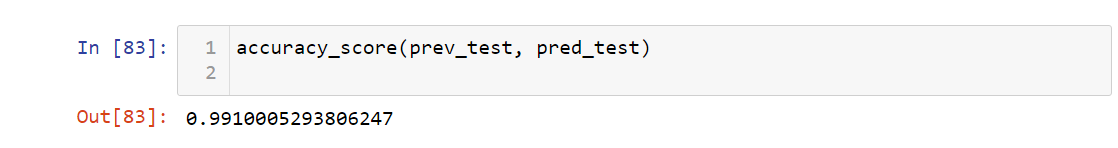


1. **We download different data from kaggle then combine into one json file and train our model on this data**

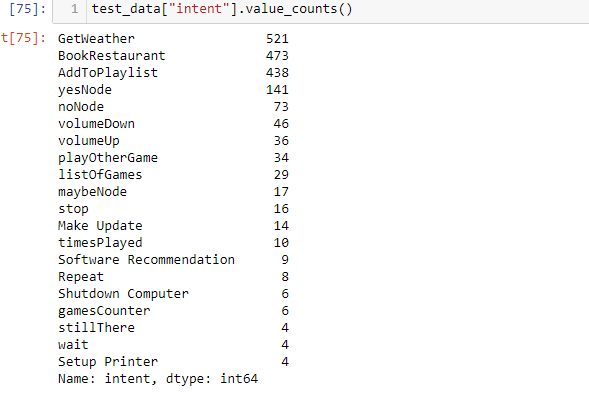


**We get this accuracy on kaggle data**

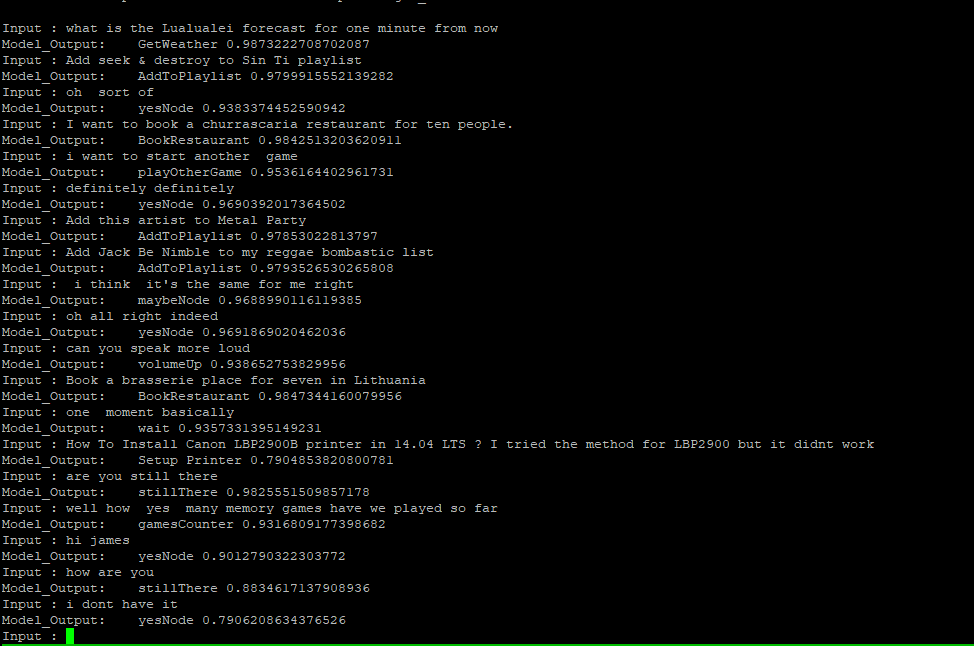
* Tensorflow model



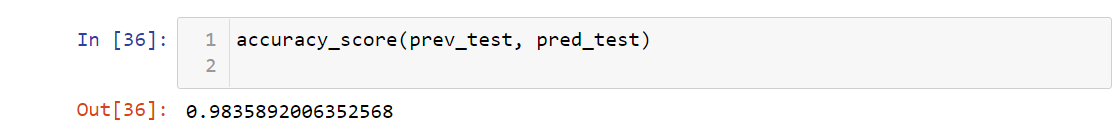
* **Kaggle data Inents**

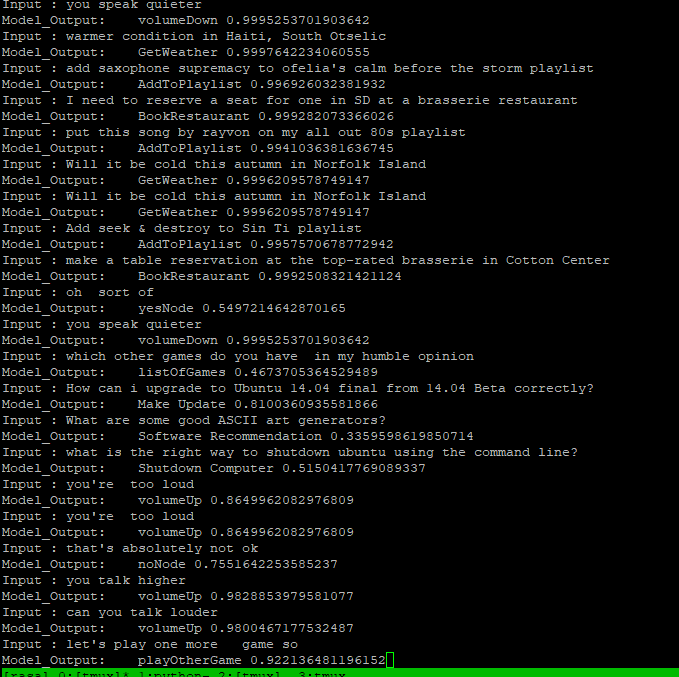


* **Manual Testing**

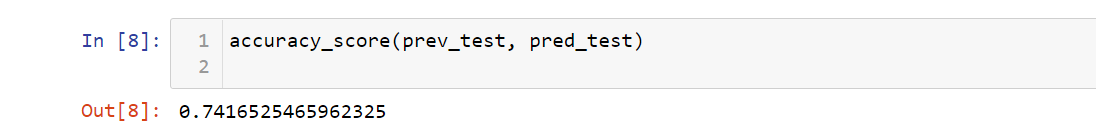


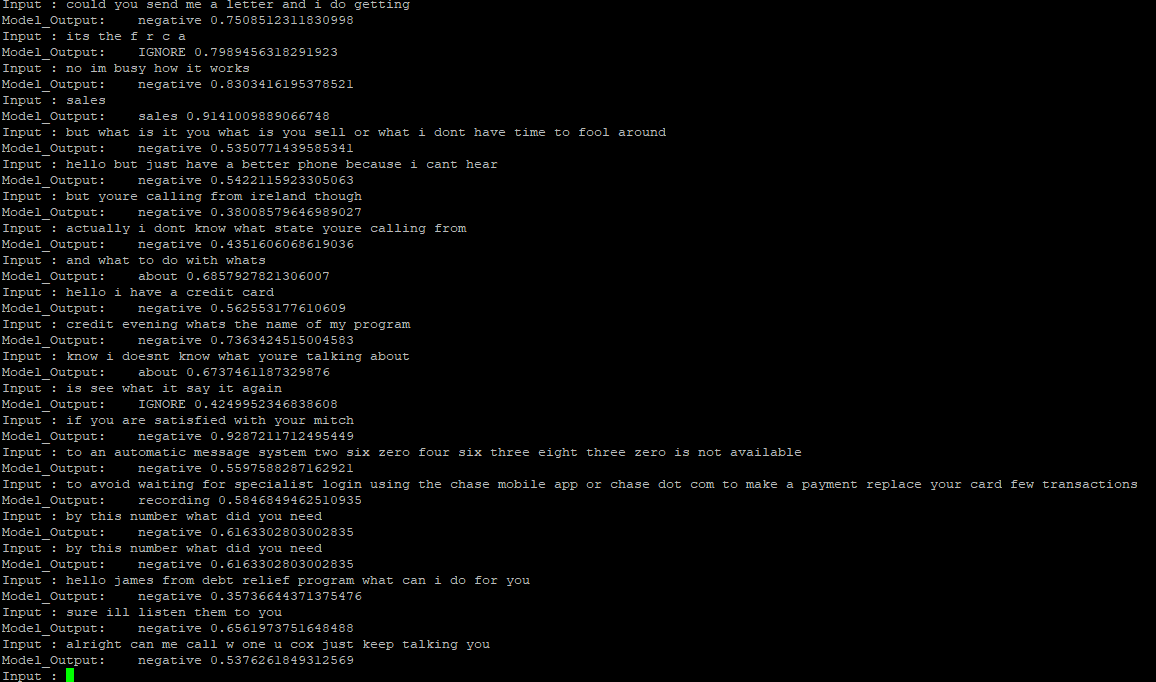
* **Spacy Model**





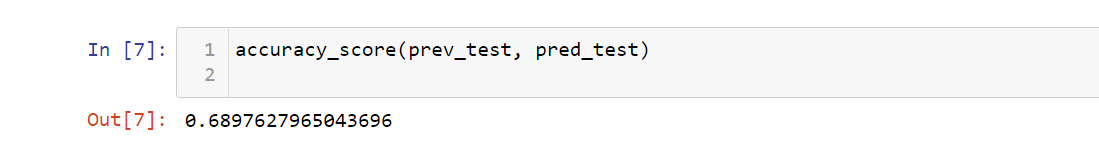
* **Our data after removing short sentences**
  + **Intent classifier3 model accuarcy**

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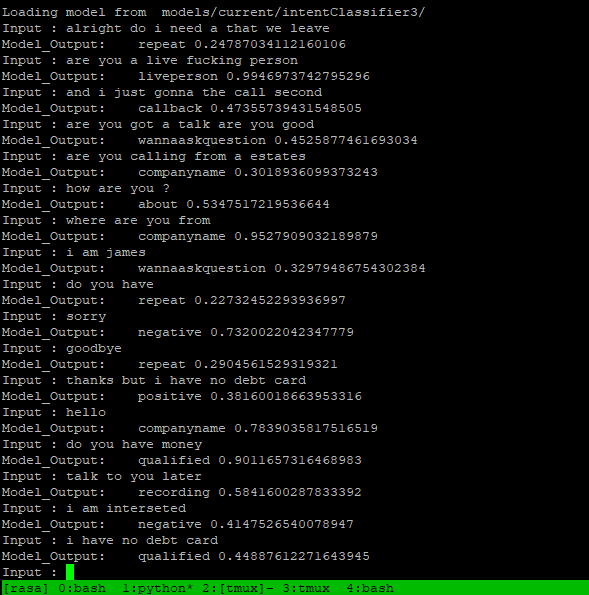
* 
* In manual testing our model is biased on negative intent because data of negative intent is more then other intents.

**Then we equal all the intents**

**So we get this accuracy but in this our model is not biased**

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**Robust testing**

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