**Lab Assignment 2**

**Team : 1**

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**Introduction** :

We are Generating Captions (Show & tell ) for Images on Dataset using various technique and evaluating performance

**Explanation**: Given my images for key words dog ,Tree,Field,grass show and tell given the captions for the given images

We converted into json format and given input for caption metrics master and got results in BLEU, CIDER, METEOR and ROGUE measures

GitHub Link: <https://github.com/vidiyalasaisrinivas/CS5542_BigdataApplications/tree/master/Lab2>

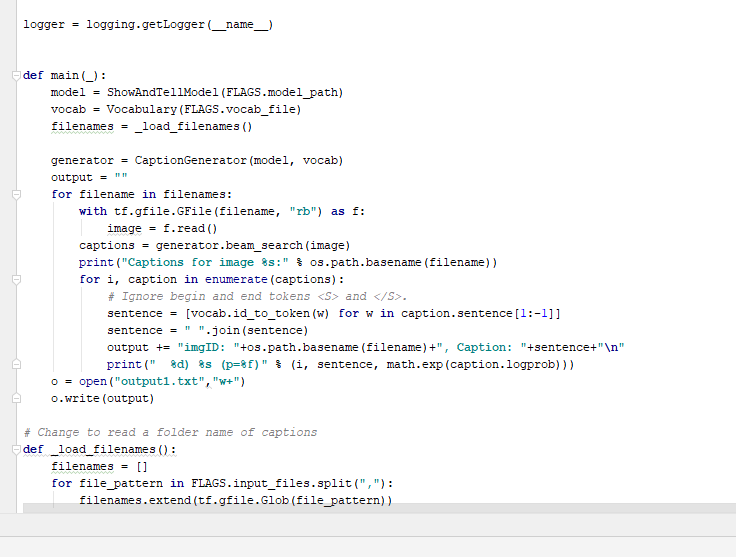
Dataset :COCOQA

Generated captions for your own dataset using the Show and Tell

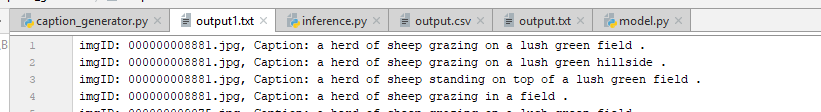
Given path for images and reading

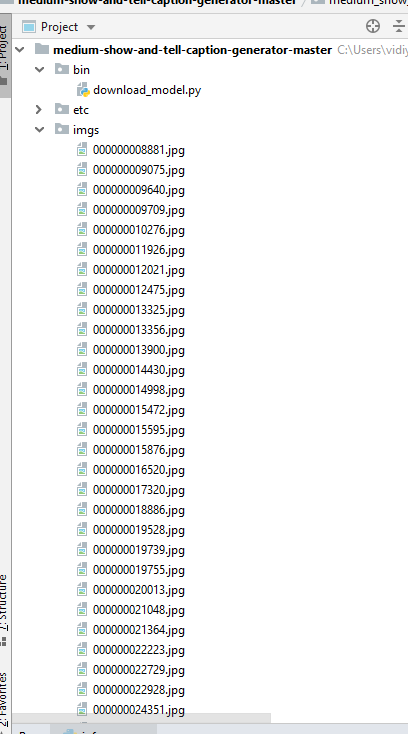


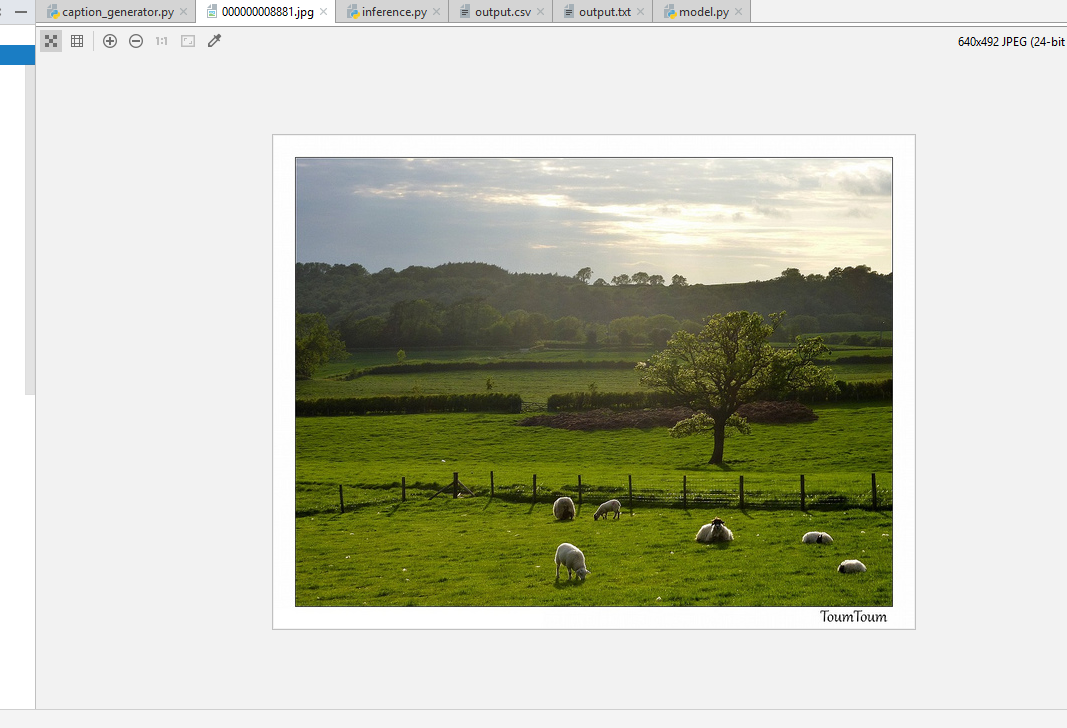
Generating Captions

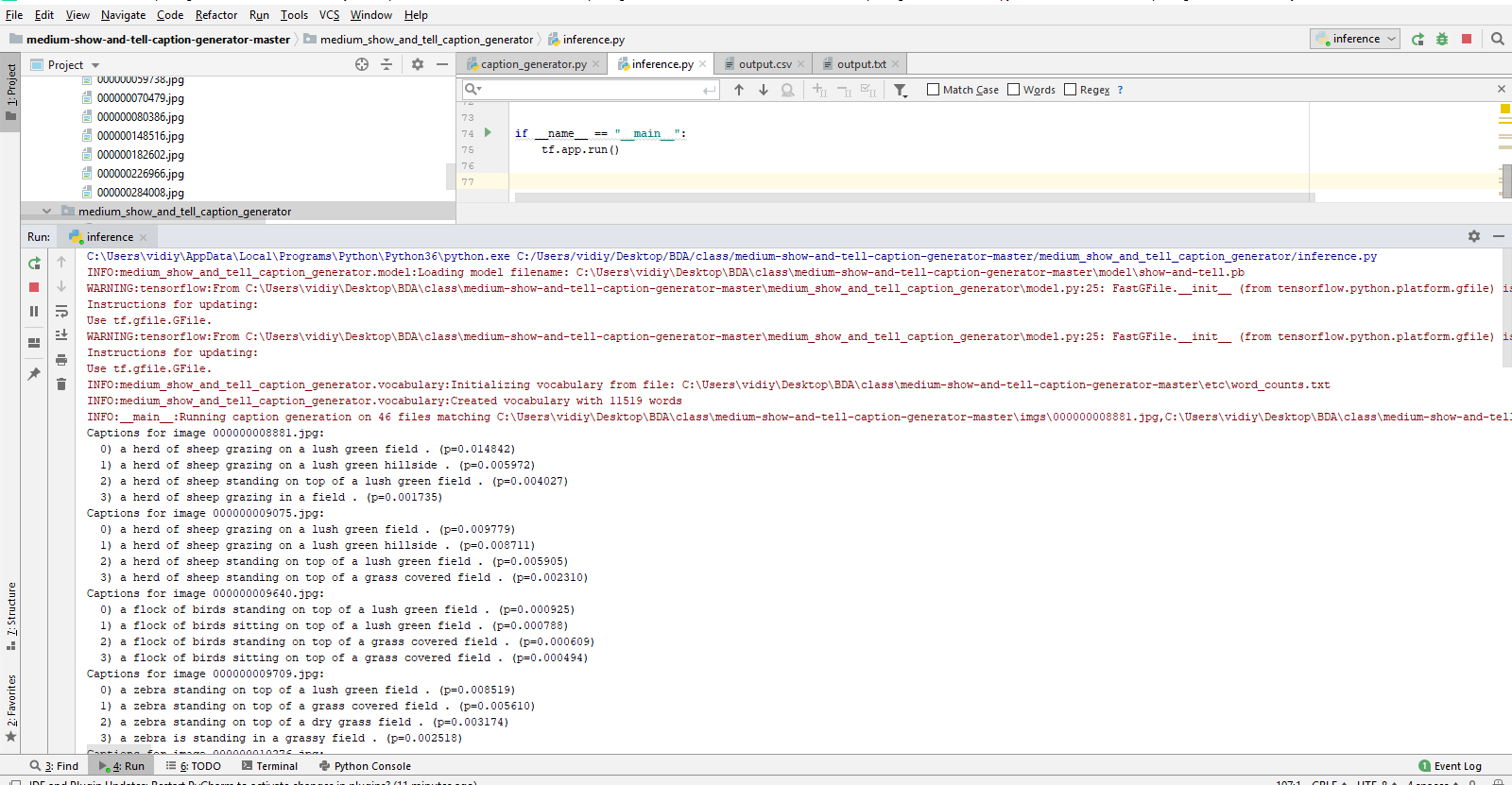


Got 4 Captions for each image

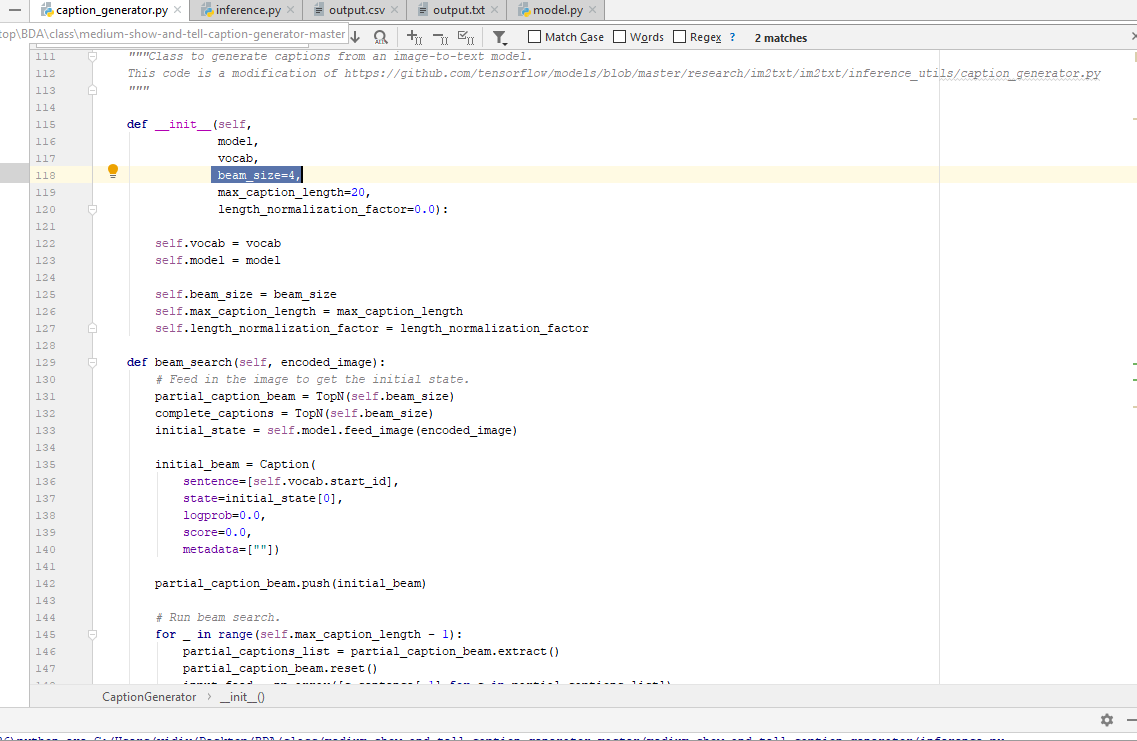




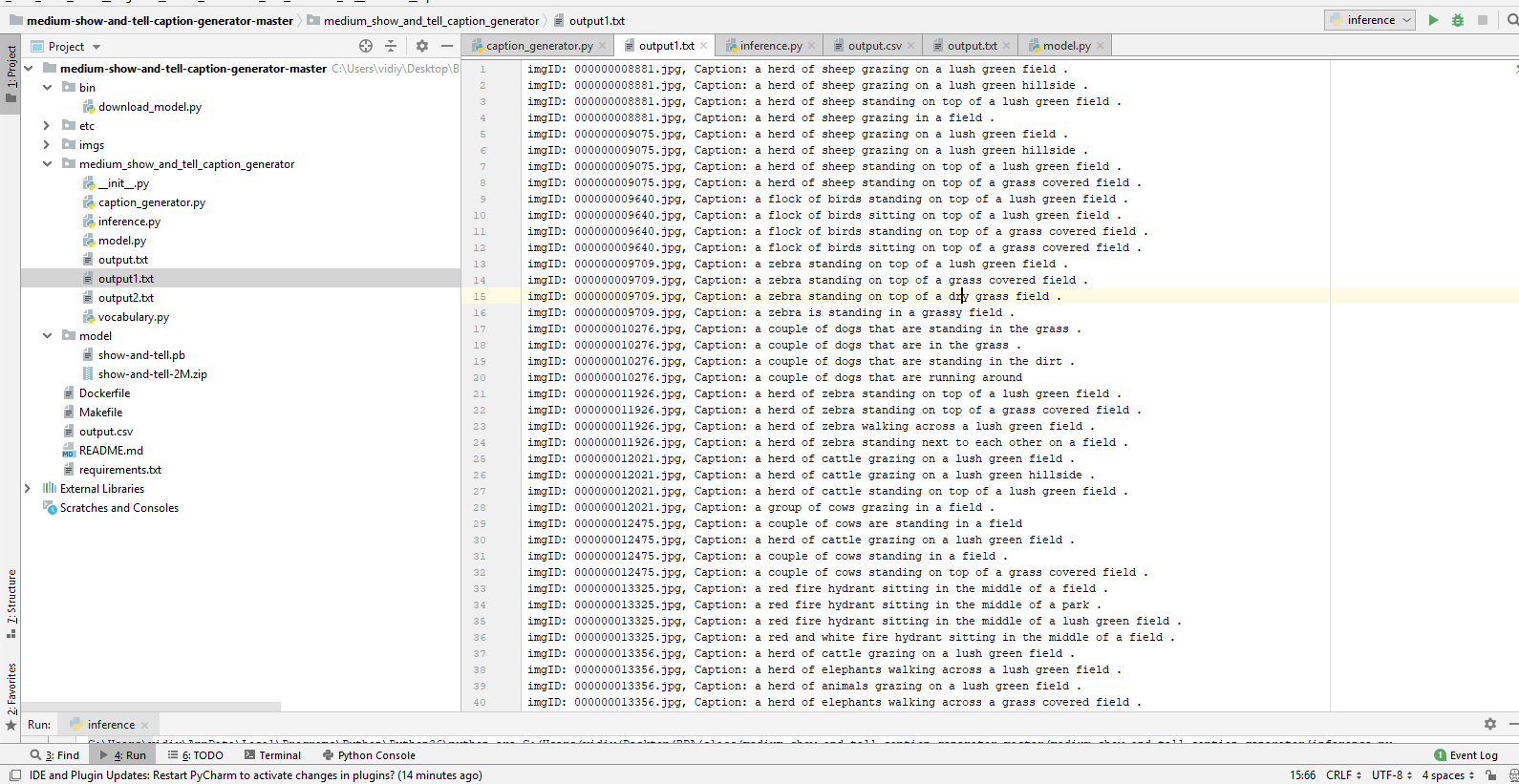




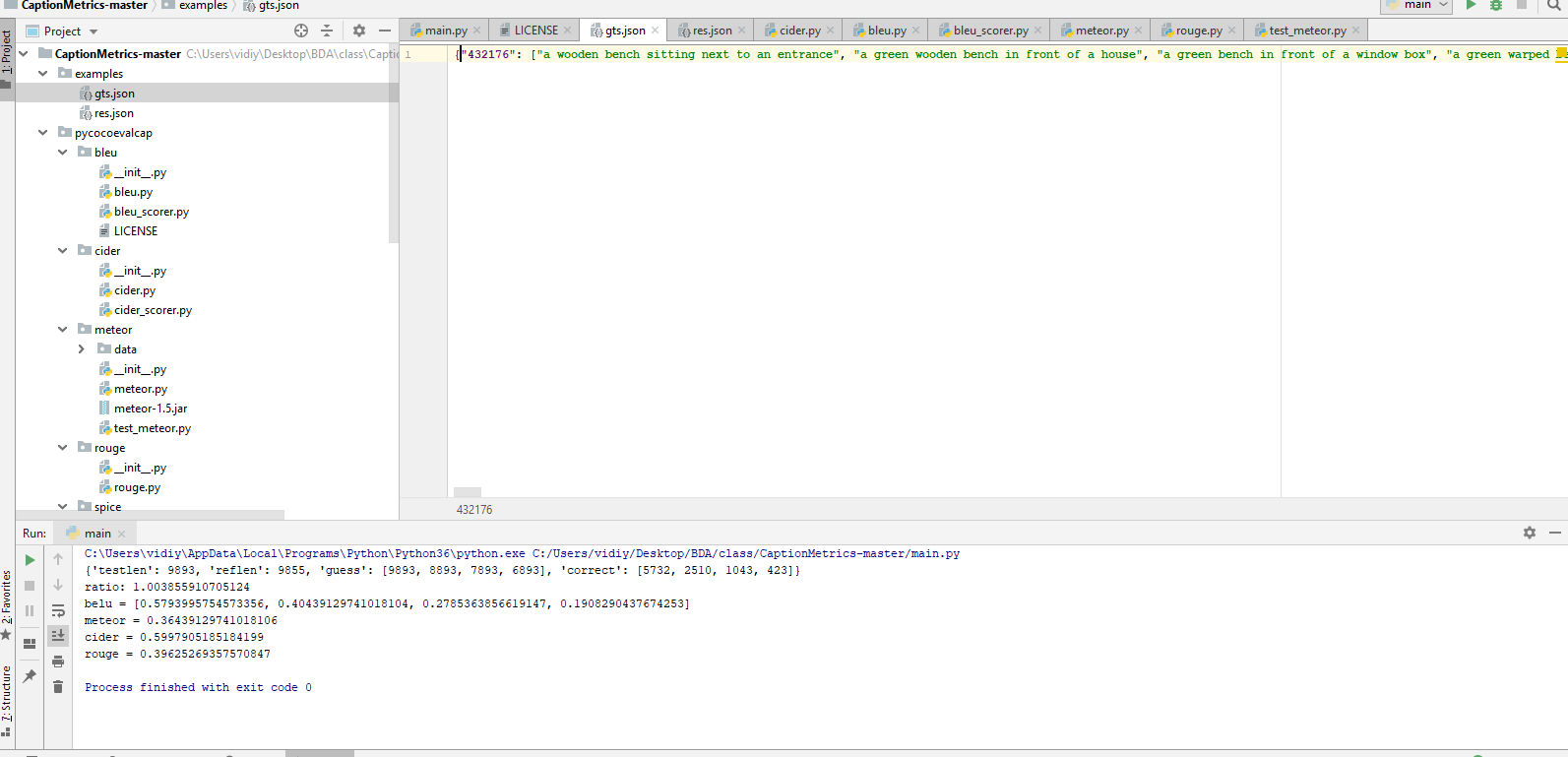
Model and Generated 4 captions for each image. (Beam Search k=4)



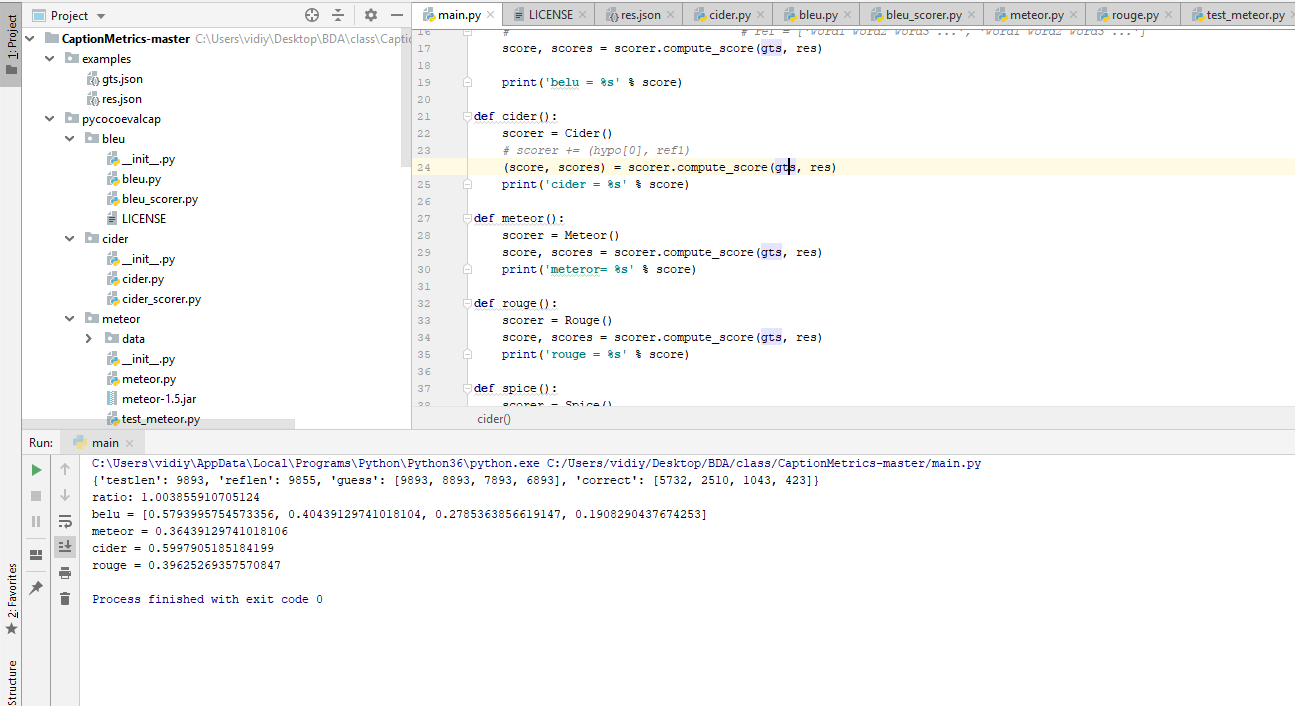
Saved output



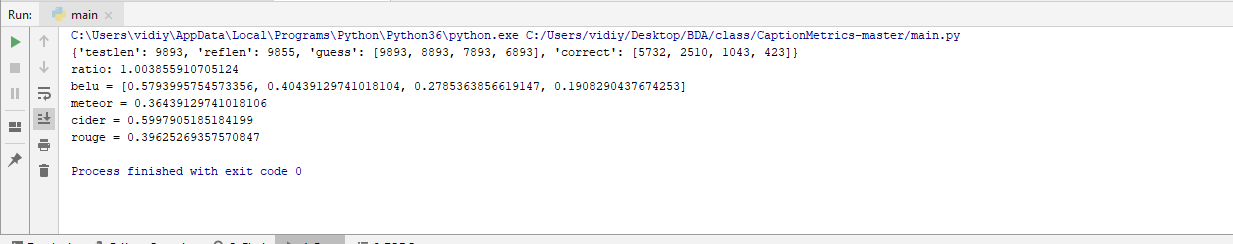
accuracy in BLEU, CIDER, METEOR and ROGUE measures.

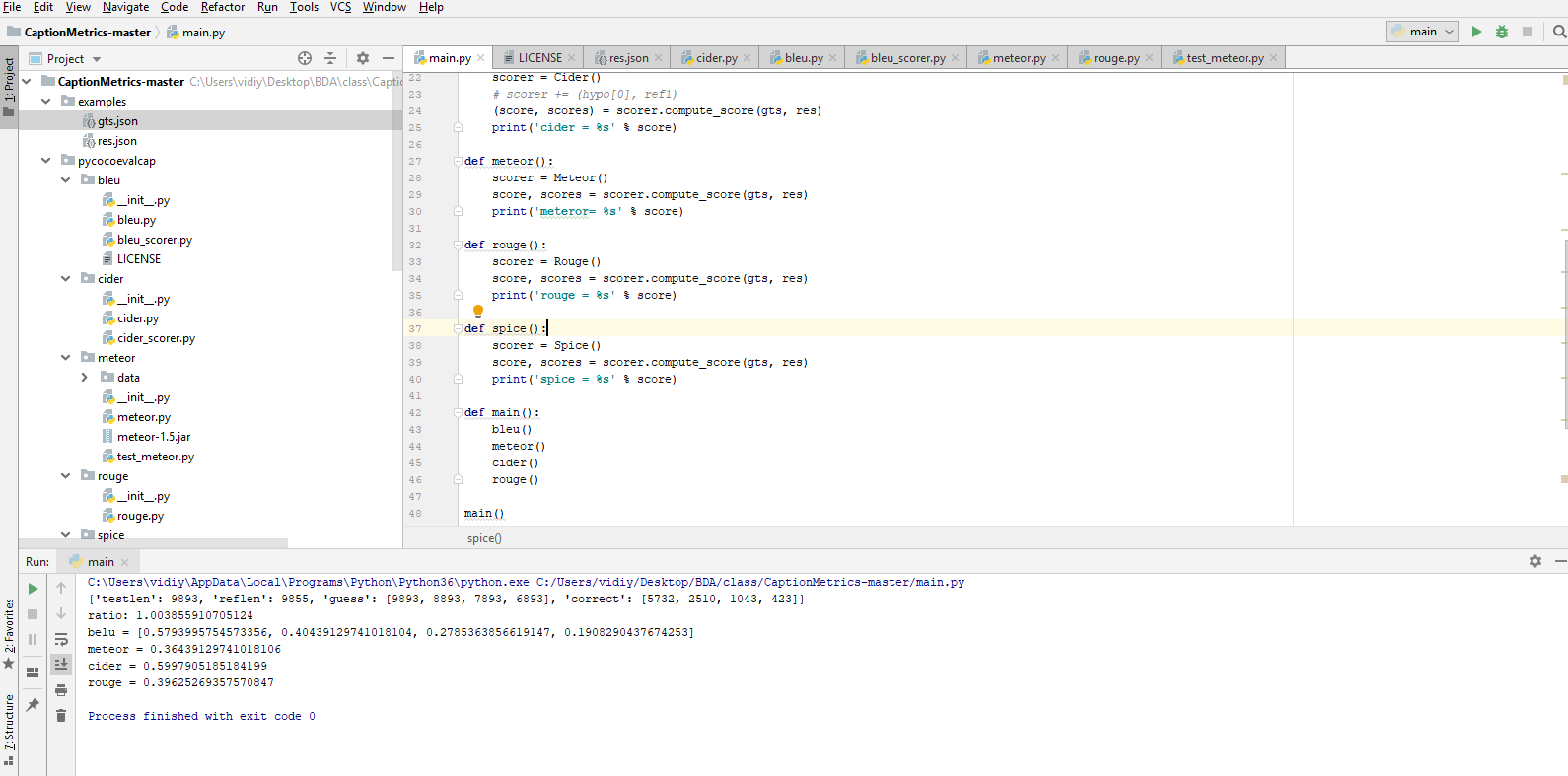


Taken the converted input of caption in json format

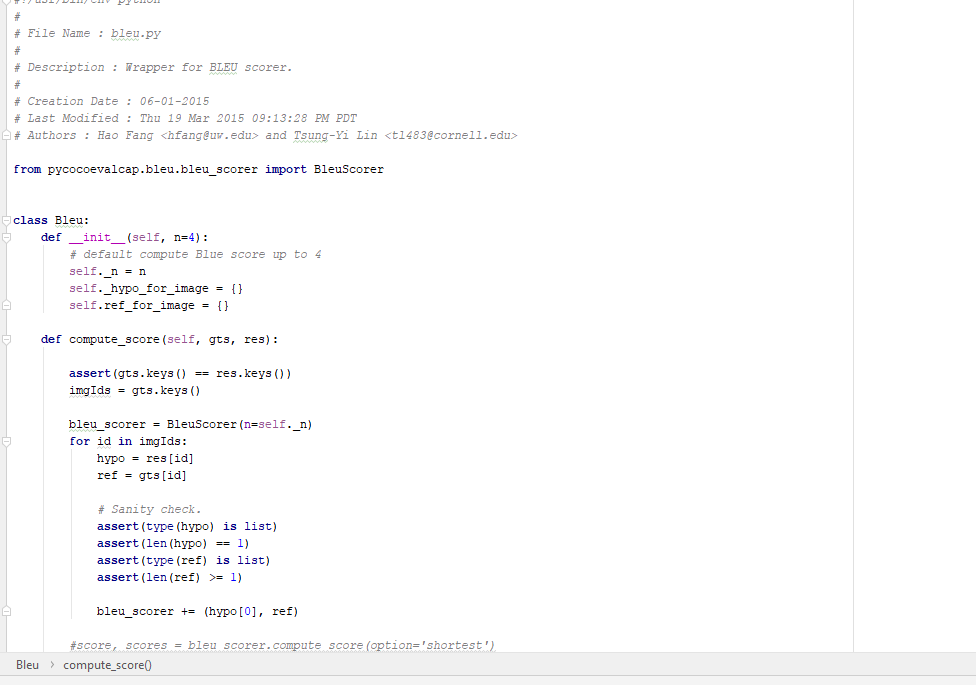


Output

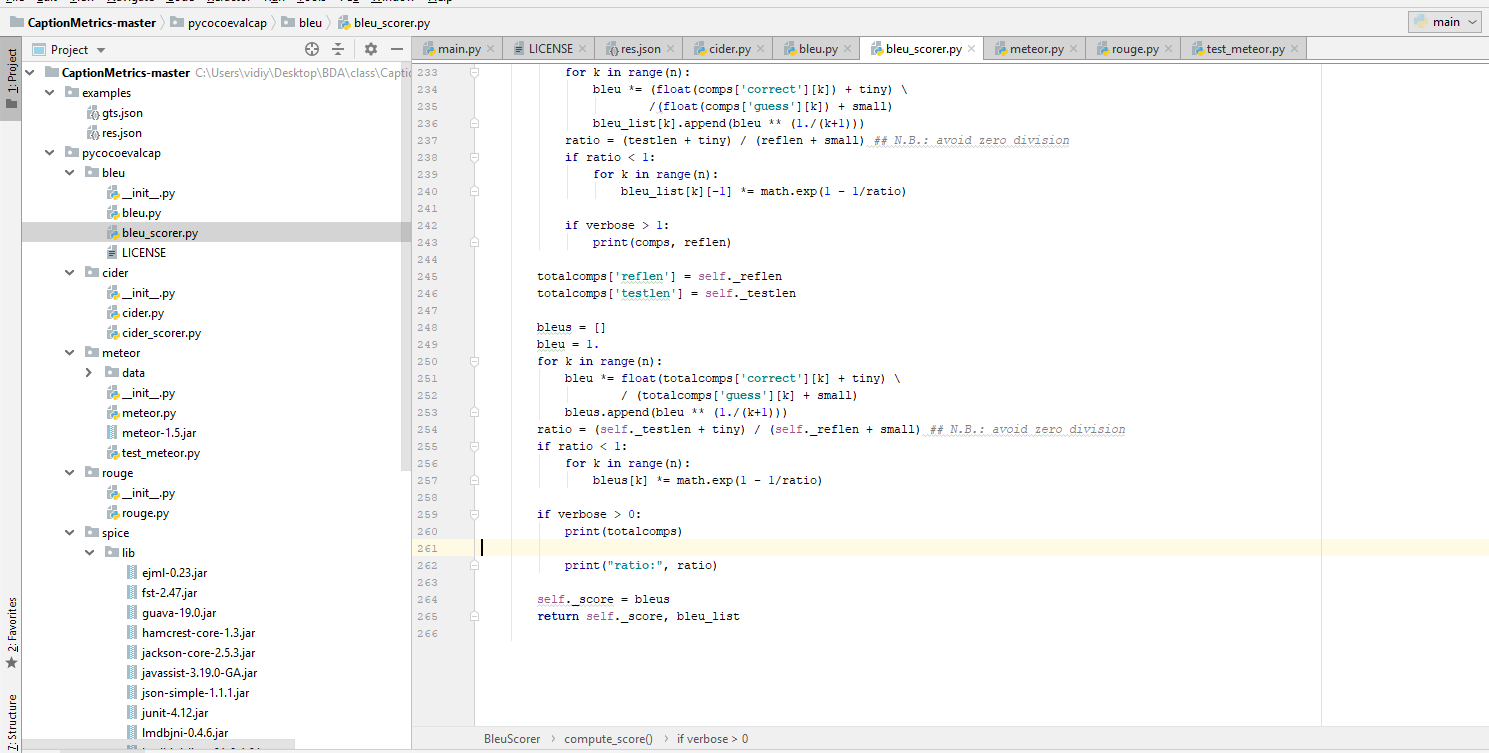


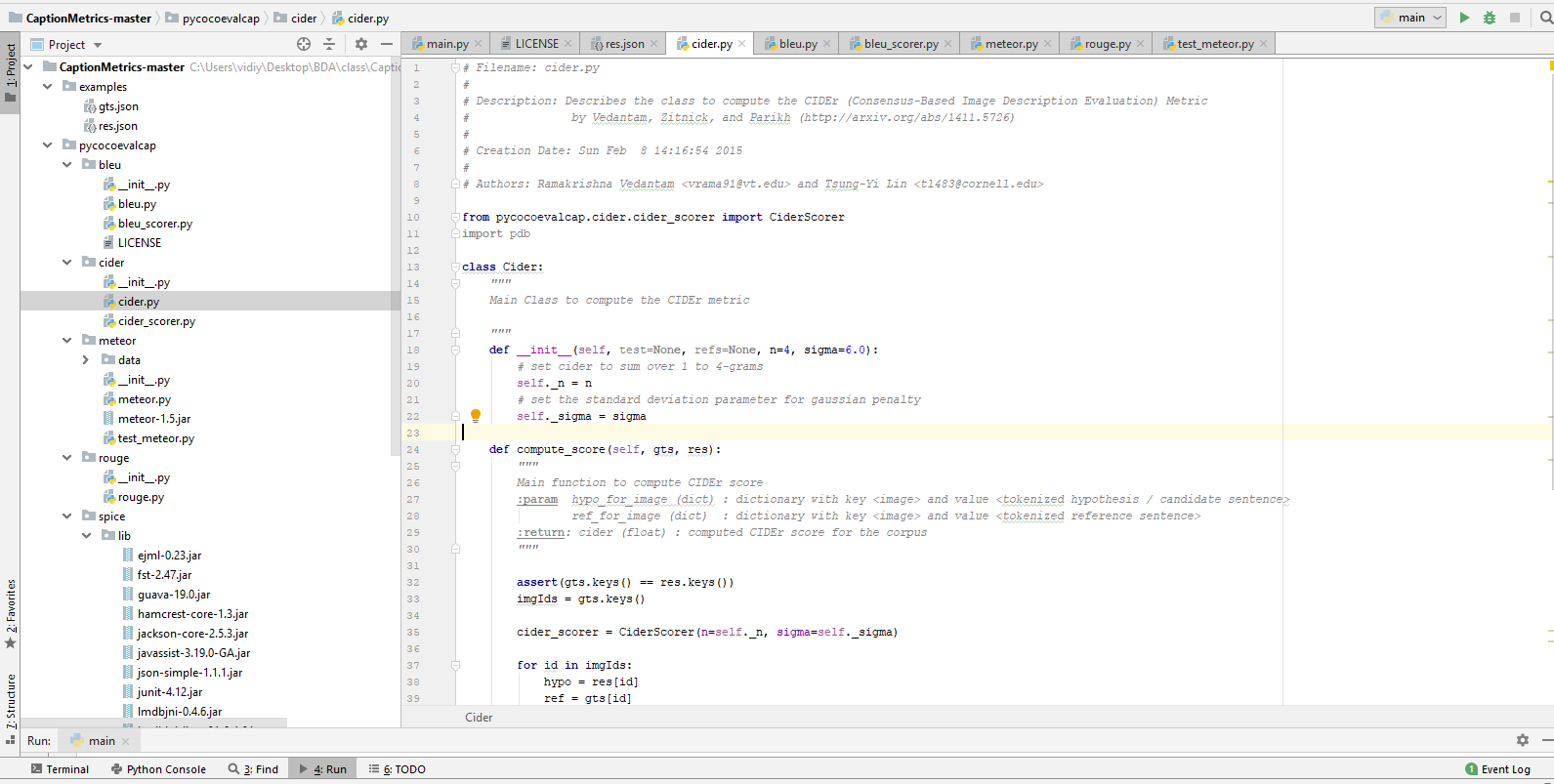


Run the main method got the results

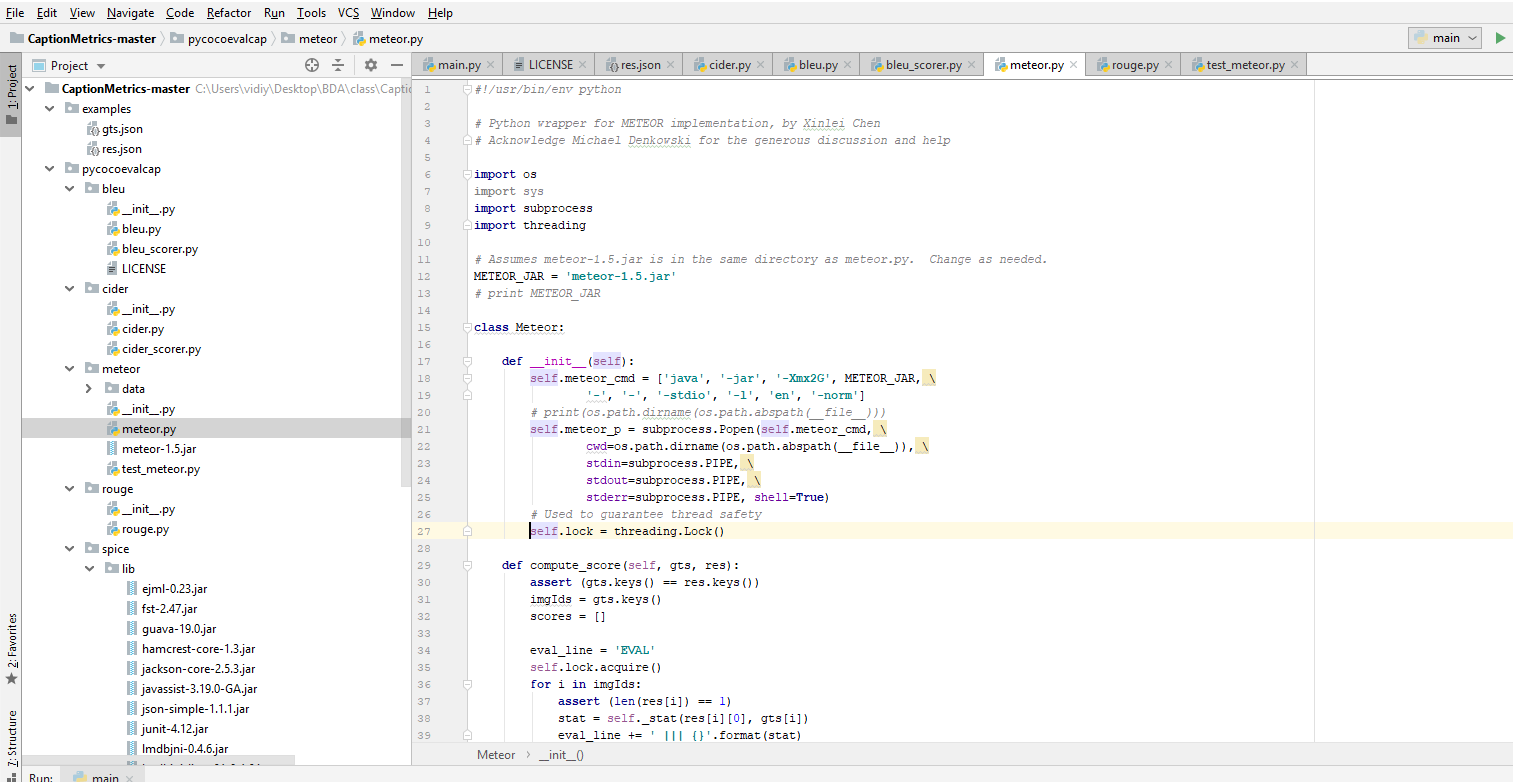


Blue functionality

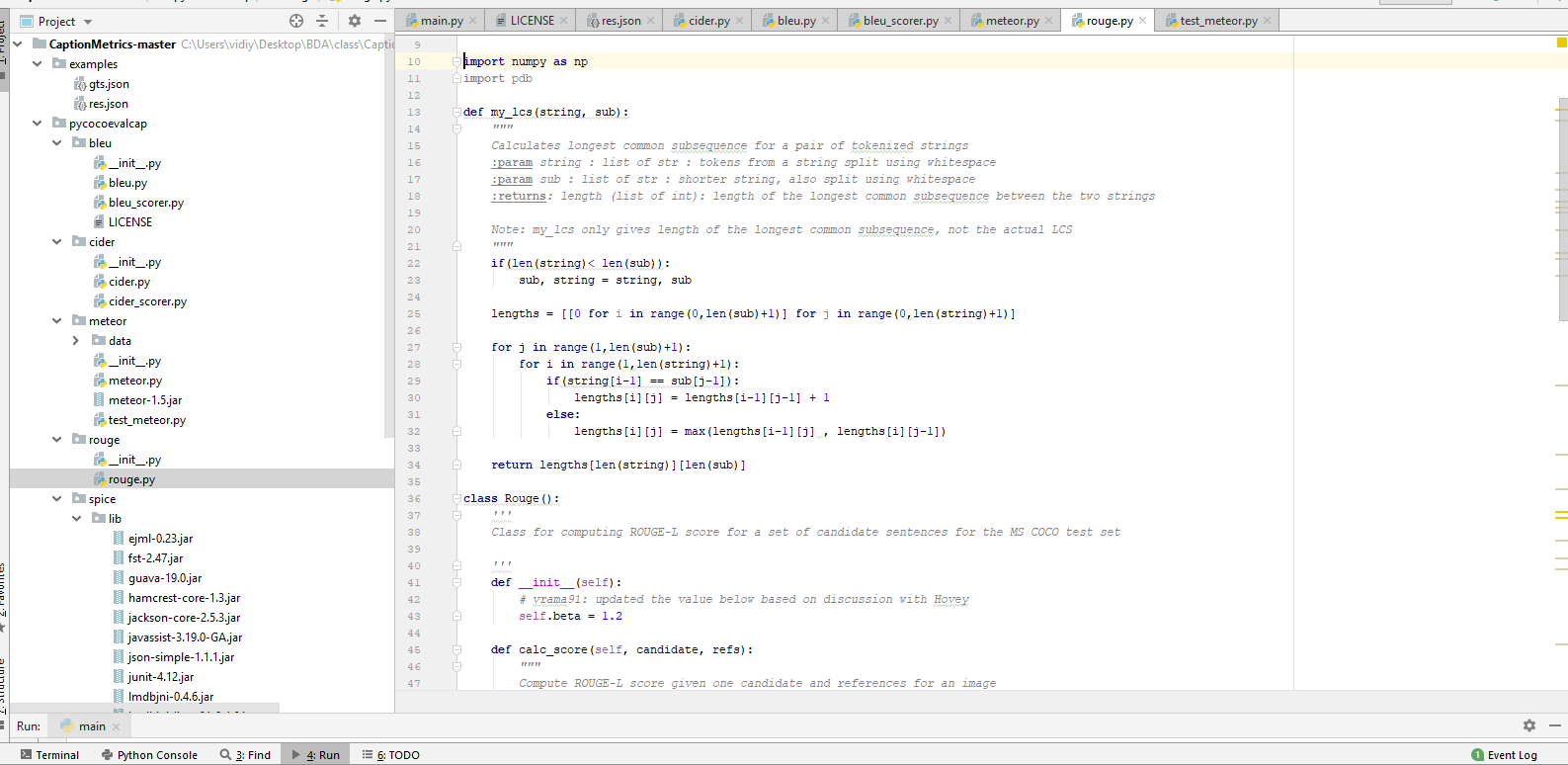




Cider Functionality



Metero functionality



Rouge.py