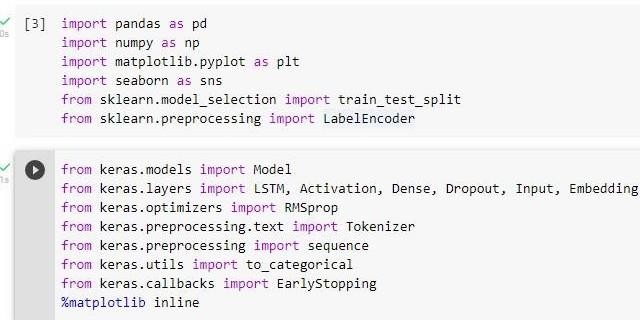
Assignment -4 Python Programming

|  |  |
| --- | --- |
| Assignment Date | 29 October 2022 |
| Student Name | Akash K |
| Student Roll Number | 142219106005 |
| Maximum Marks | 2 MARKS |

SMS SPAM CLASSIFICATION

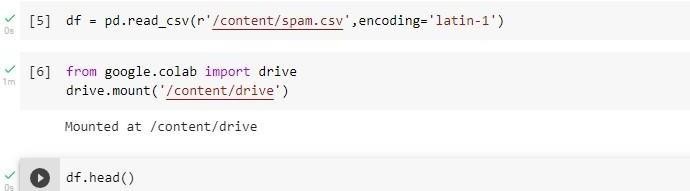
Import the necessary libraries

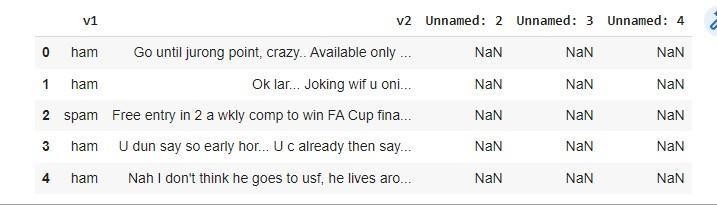


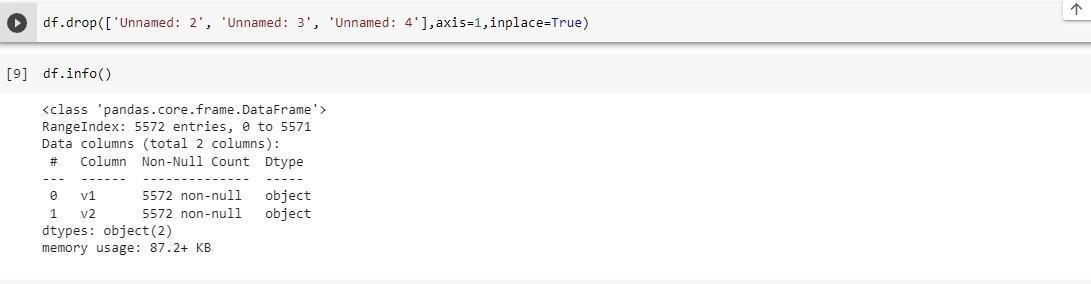
Download the Dataset

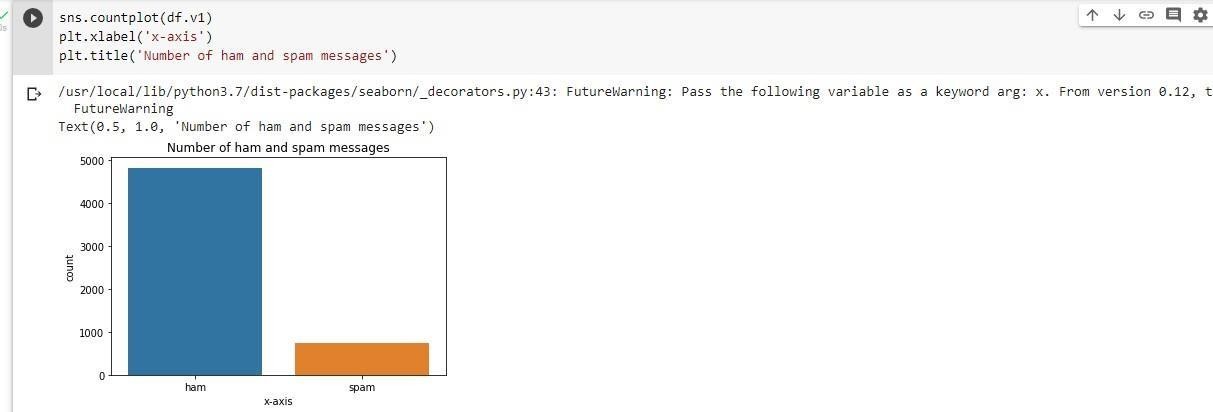
Dataset Downloaded and uploaded to drive [https://www.kaggle.com/code/kredy10/simple-lstmfor-](https://www.kaggle.com/code/kredy10/simple-lstm-for-text-classification/data) [textcl](https://www.kaggle.com/code/kredy10/simple-lstm-for-text-classification/data)assification/data

Read dataset and pre-processing





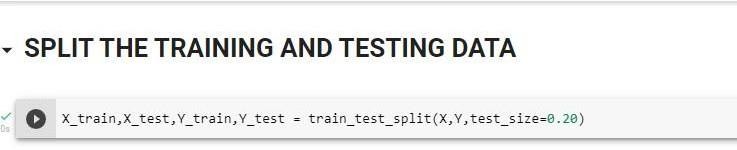




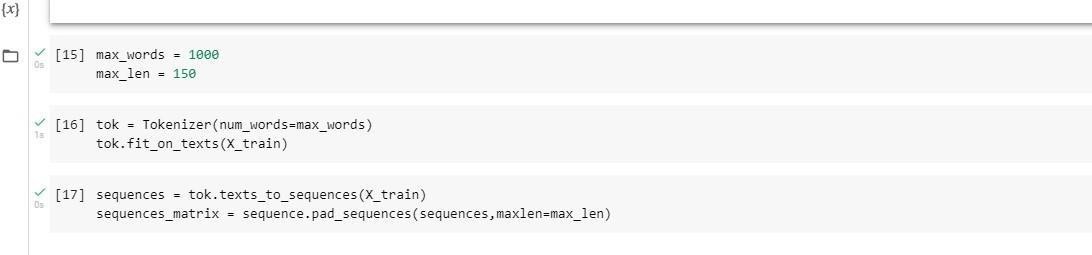
Create input vectors and process labels



Split the training and testing data



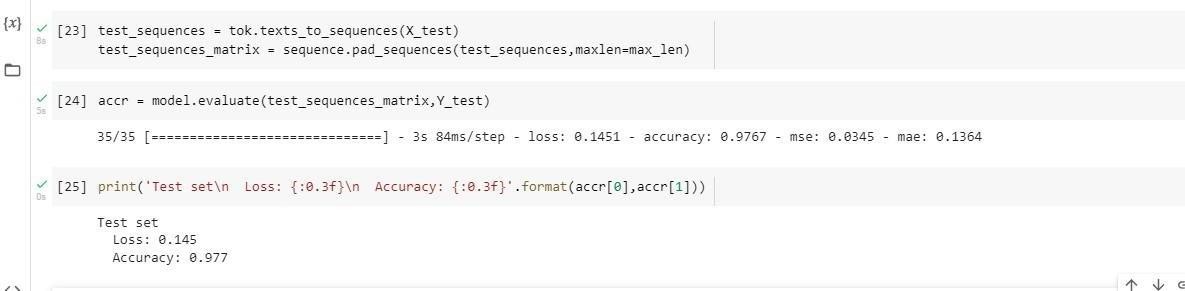
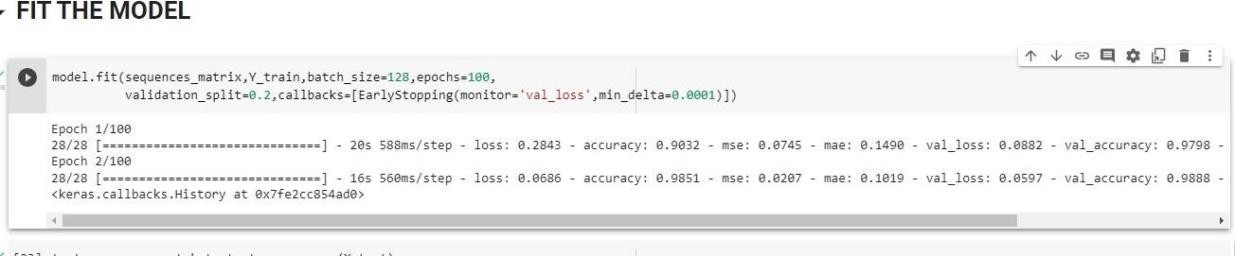
Process the data



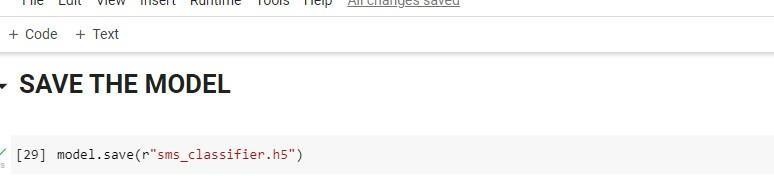
Create models and add layers



FIT THE MODEL



SAVE THE MODEL



TEST THE MODEL

