Student ID: 700747817

Name: Manikanta Venkata Kondasai Kalyan Badeti Parameswara

NN & DL - Assignment 5

**Video Link:**

<https://drive.google.com/file/d/1COnFd5oOZqxkrNvaoXDPGnMfCH2eOhSN/view?usp=sharing>

GitHub Link: <https://github.com/Kalyansai6/Neural-Network-Assignment-V>

**Importing the drive path**

**A close-up of a text

Description automatically generated**

**Importing set of libraries**

**A screen shot of a computer code

Description automatically generated**

**Loading the dataset and selecting only necessary columns text and sentiment**

**A computer screen shot of text

Description automatically generated**

**Keeping only necessary columns**

**A screenshot of a computer code

Description automatically generated**

**Removing the Re Tweets**

**A computer code with black text

Description automatically generated**

**Max words 2000 to tokenize the sentence**

**A screen shot of a computer code

Description automatically generated**

**Padding the matrix**

**A close-up of a computer code

Description automatically generated**

**Using function to compile the model**

**A computer code with many colorful text

Description automatically generated**

**Applying the label encode matrix**

**A close-up of a computer code

Description automatically generated**

**Batch size is set to 32 and executing the model is done**

**A close-up of a computer code

Description automatically generated**

**Metrics of the model**

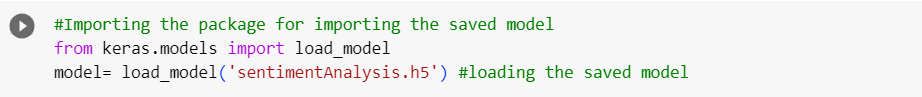
**A close up of a text

Description automatically generated**

**1. Saving the model which we used to predict**

****

**Importing the package for saved model**

****

**A screenshot of a computer

Description automatically generated**

**Predicting the test data**

**A computer screen shot of a computer screen

Description automatically generated**

**2. Apply GridSearchCV on the source code provided in the class**

**A screenshot of a computer program

Description automatically generated**

**A screenshot of a computer

Description automatically generated**