**In class Programming Assignment – 6**

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**GitHub Link:** <https://github.com/akankshaparvathaneni/akanksha/blob/main/icp_6.ipynb>

**Problem 1:** Basics of LSTM, Types of RNN, Sentiment Analysis on the Twitter data set

**Solution:**

1. Saving the model and using the saved model to predict on new text data.

A screenshot of a computer program

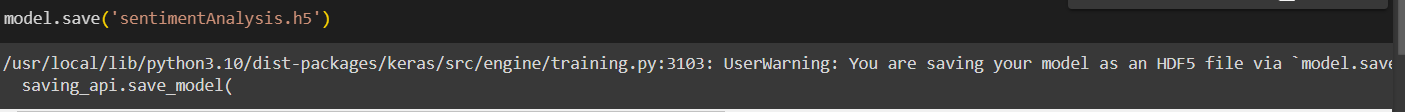
Description automatically generated

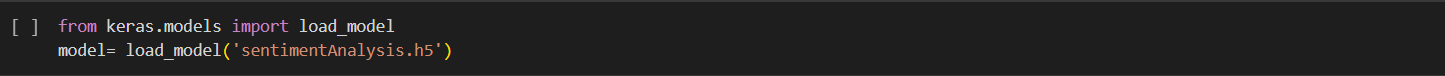
A screen shot of a computer program

Description automatically generated

A screenshot of a computer program

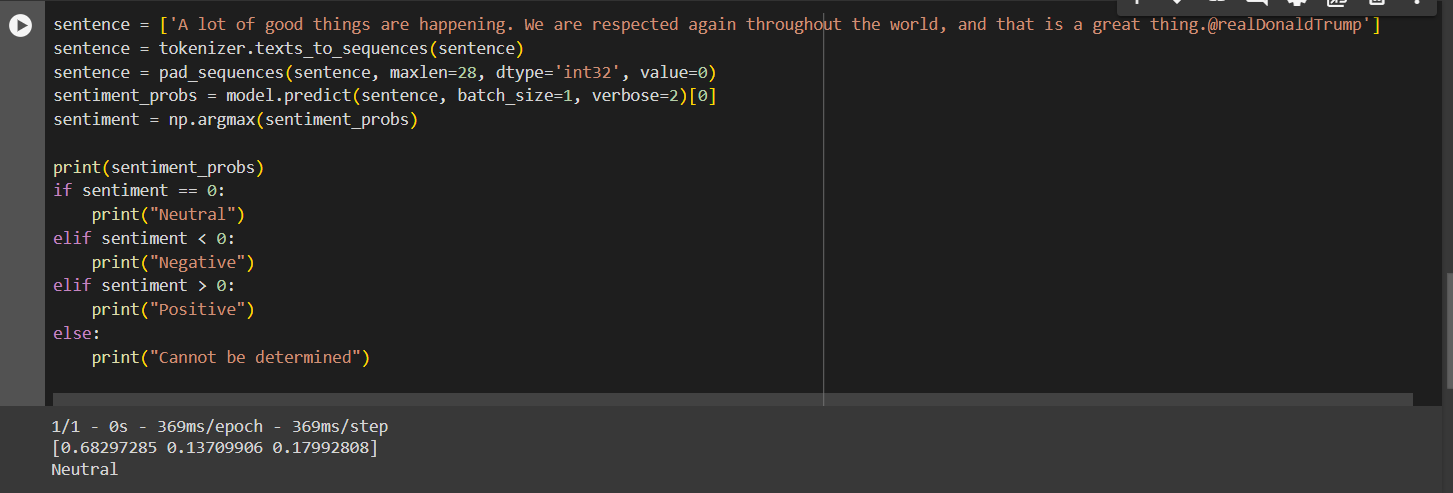
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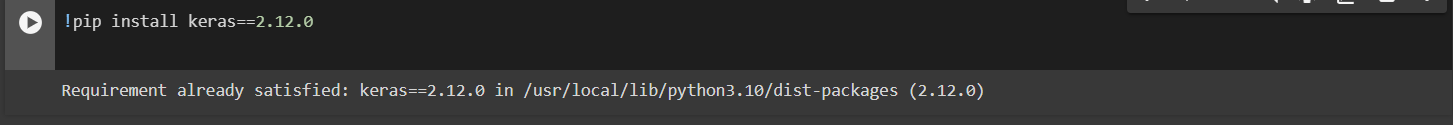


A black and grey rectangular object

Description automatically generated



1. Applying GridSearchCV on the source code provided in the class.



A screen shot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated