# **OUTPUT FILE**

## Output1 -

#### Downloading the data set.

**Data Description-** This is a public domain speech data-set consisting of 13,100 short audio clips of a single speaker reading passages from 7 non-fiction books. A transcription is provided for each clip. Clips vary in length from 1 to 10 seconds and have a total length of approximately 24 hours. The texts were published between 1884 and 1964, and are in the public domain. The audio was recorded in 2016-17 by the LibriVox project and is also in the public domain.

## Output 2-

## Vocabulary size-

Total Clips 13,100
Total Words 225,715
Total Characters 1,308,678
Mean Words per Clip 17.23
Distinct Words13,821

vocab size 34

## **Output 3-**

The loss attained is 1.2 after using the transformer encoder-decoder model with the best optimizer Adam and have used relu activation function for better accuracy . The observation is here is, if we increase the number of epochs the loss value is decreasing, but the model training is taking more time hence have limited the epochs value to 5.