Anuvaad English To Hindi Tanslation:

Creating Model:

First we have defined the output.

the shape of the output will be: (number of inputs, length of the output sentence, the number of words in the output)

To make predictions, the final layer of the model is a dense layer, therefore we need the outputs in the form of one-hot encoded vectors, since we are using softmax activation function at the dense layer. To create one-hot encoded output, we have assigned 1 to the column number that corresponds to the integer representation of the word.

Next, have created the encoder and decoders. The input to the encoder will be the sentence in English and the output will be the hidden state and cell state of the LSTM.

Then we have defined the decoder. The decoder will have two inputs: the hidden state and cell state from the encoder and the input sentence, which actually will be the output sentence with an <sos> token appended at the beginning.

Finally, the output from the decoder LSTM is passed through a dense layer to predict decoder outputs

We have trained the model on 2284 records and tested on the remaining 572 records. The model is trained for 300 epochs

Good morning everyone

Hello mam how are you?

This is nlp mini project

Bat and ball

The flying bat is sleeping

The desert was very tasty