Assignment 9

- The LSTM network takes a 2D array as input.

- With return_sequence=False, only the last cell will emit an output.

- The RepeatVector(4), duplicates the output of the LSTM layer so that the next layer can have 2D array as input.

- And if the next layer after LSTM is dense then, no RepeatVector is required, as a Dense layer expects a vector as an input.

- Layer 1, LSTM(128), reads input data and outputs 128 features with shape (1, 128) because return_sequences=False.

- Layer 2, LSTM(128), takes 4x128 as input.

- Layer 3, Dense(13), gives an output of shape 4x13.

The graph of Accuracy vs Epochs for both Normal and Reversed models is given below: