**Some notes about Embedding layer & LSTM**

**About Embedding layer:**

- indexes -> vectors of fixed size

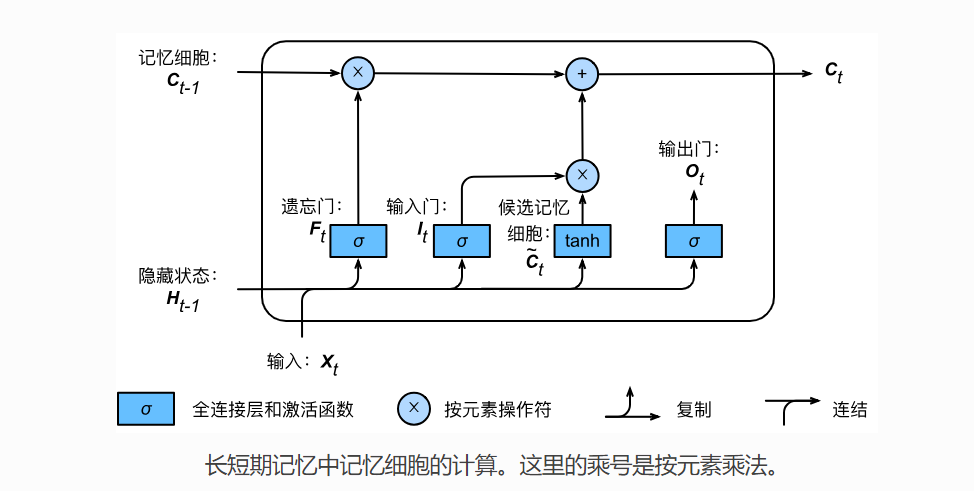
- input shape: (batch\_size, seq\_length)

- output shape: (batch\_size, seq\_length, output\_dim)

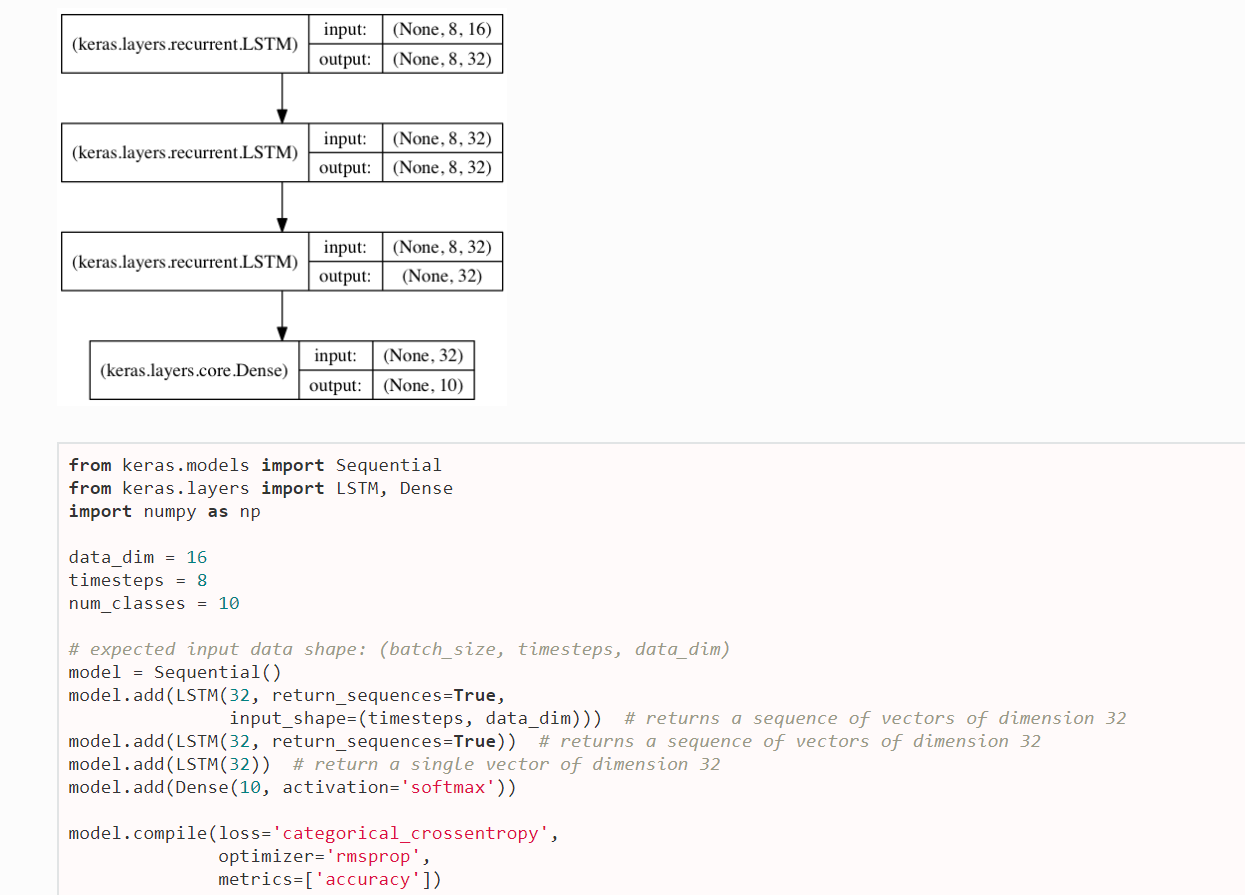
- input dim: vocab\_size

- input length: seq\_length

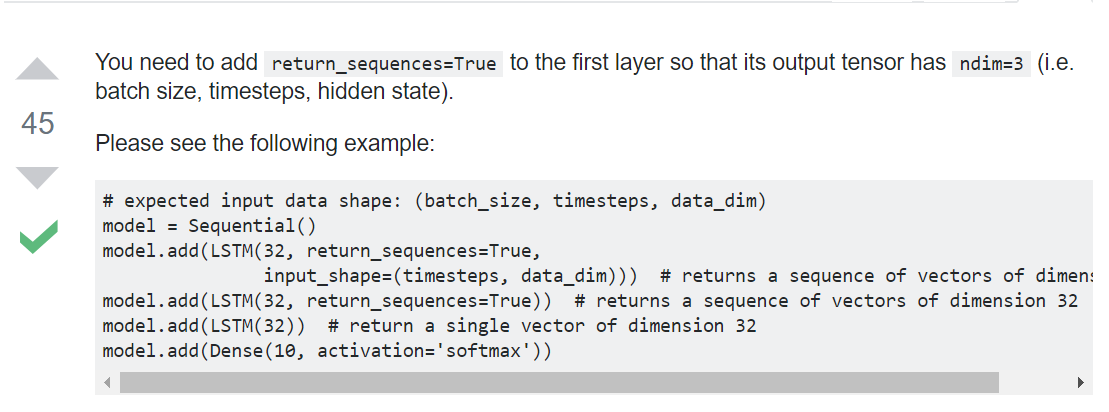
**Single LSTM cell:**



**Stacked-LSTM:**



**About return\_sequences=True:**



**Note: timesteps is seq\_length**

**Detailes of Stacked-LSTM:**

