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In [ ]: from tensorflow.keras.preprocessing.text import one_hot
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In [ ]: ### sentences  
sent=['the glass of water',  
      'the glass of juice',  
      'the cup of tea',  
      'I am a good student',  
      'I am a good developer',  
      'I understand the meaning of embedding',  
      'Your classes are good']
```

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In [ ]: sent
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In [ ]: ### Vocabulary size  
voc_size=10000
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In [ ]: onehot_repr=[one_hot(words,voc_size)for words in sent]  
print(onehot_repr)
```

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In [ ]: from tensorflow.keras.layers import Embedding  
from tensorflow.keras.preprocessing.sequence import pad_sequences  
from tensorflow.keras.models import Sequential  
import numpy as np
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In [ ]: sent_length=8  
embedded_docs=pad_sequences(onehot_repr,padding='pre',maxlen=sent_length)  
print(embedded_docs)
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In [ ]: dim=10
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In [ ]: model=Sequential()  
model.add(Embedding(voc_size,10,input_length=sent_length))  
model.compile('adam','mse')
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In [ ]: model.summary()
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In [ ]: print(model.predict(embedded_docs))
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In [ ]: embedded_docs[0]
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In [ ]: print(model.predict(embedded_docs)[0])
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