Quiz_C3W1

✅ **Congratulations! You passed!**

Grade received 100%	Latest Submission Grade 100%	To pass 80% or higher

1. What is the name of the object used to tokenize sentences?

   ○ CharacterTokenizer

   ○ WordTokenizer

   ○ TextTokenizer

   ⦿ Tokenizer

   ✓ **Correct**
   That's right!

2. What is the name of the method used to tokenize a list of sentences?

   ○ tokenize_on_text(sentences)

   ○ fit_to_text(sentences)

   ○ tokenize(sentences)

   ⦿ fit_on_texts(sentences)

   ✓ **Correct**
   Correct!

3. Once you have the corpus tokenized, what's the method used to encode a list of sentences to use those tokens?

- ⦿ texts_to_sequences(sentences)
- ◯ text_to_tokens(sentences)
- ◯ texts_to_tokens(sentences)
- ◯ text_to_sequences(sentences)

✓ **Correct**
Correct!

4. When initializing the tokenizer, how do you specify a token to use for unknown words?

- ⦿ oov_token=<Token>
- ◯ unknown_word=<Token>
- ◯ unknown_token=<Token>
- ◯ out_of_vocab=<Token>

✓ **Correct**
That's right!

5. If you don't use a token for out of vocabulary words, what happens at encoding?

- ◯ The word is replaced by the most common token
- ⦿ The word isn't encoded, and is skipped in the sequence
- ◯ The word isn't encoded, and the sequencing ends
- ◯ The word isn't encoded, and is replaced by a zero in the sequence

✓ **Correct**
Correct!

6. If you have a number of sequences of different lengths, how do you ensure that they are understood when fed into a neural network?

- ◯ Process them on the input layer of the Neural Network using the pad_sequences property
- ◯ Make sure that they are all the same length using the pad_sequences method of the tokenizer
- ⦿ Use the pad_sequences function from the tensorflow.keras.preprocessing.sequence namespace
- ◯ Specify the input layer of the Neural Network to expect different sizes with dynamic_length

✓ **Correct**
That's right!

7. If you have a number of sequences of different length, and call pad_sequences on them, what's the default result?

- ○ Nothing, they'll remain unchanged
- ● They'll get padded to the length of the longest sequence by adding zeros to the beginning of shorter ones
- ○ They'll get cropped to the length of the shortest sequence
- ○ They'll get padded to the length of the longest sequence by adding zeros to the end of shorter ones

✓ **Correct**
Correct!

8. When padding sequences, if you want the padding to be at the end of the sequence, how do you do it?

- ○ Call the padding method of the pad_sequences object, passing it 'after'
- ● Pass padding='post' to pad_sequences when initializing it
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- ○ Pass padding='after' to pad_sequences when initializing it

✓ **Correct**
That's right!