

✔ **Congratulations! You passed!**

Grade received **100%** To pass 80% or higher

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Week 1 Quiz

Latest Submission Grade 100%

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

1 / 1 point

- ☐ CharacterTokenizer
- ☒ Tokenizer
- ☐ TextTokenizer
- ☐ WordTokenizer

✔ **Correct**
That's right!

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

1 / 1 point

- ☐ fit_to_text(sentences)
- ☐ tokenize_on_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?

1 / 1 point

- ☐ text_to_tokens(sentences)
- ☐ text_to_sequences(sentences)
- ☐ texts_to_tokens(sentences)
- ☒ texts_to_sequences(sentences)

✔ **Correct**
Correct!

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

1 / 1 point

- ☒ oov_token=<Token>
- ☐ unknown_token=<Token>
- ☐ unknown_word=<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?

1 / 1 point

- ☒ The word isn't encoded, and is skipped in the sequence
- ☐ The word is replaced by the most common token
- ☐ 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?

1 / 1 point

- ☒ 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`
- ☐ 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

✓ **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?

1 / 1 point

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

✓ **Correct**
Correct!

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

1 / 1 point

- ☒ Pass `padding='post'` to `pad_sequences` when initializing it
- ☐ Call the `padding` method of the `pad_sequences` object, passing it 'after'
- ☐ Pass `padding='after'` to `pad_sequences` when initializing it
- ☐ Call the `padding` method of the `pad_sequences` object, passing it 'post'

✓ **Correct**
That's right!

