

# Congratulations! You passed!

Grade received 87.50% To pass 80% or higher

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## Week 1 Quiz

Latest Submission Grade 87.5%

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

1 / 1 point

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

✔ Correct

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

1 / 1 point

- ☒ fit\_on\_texts(sentences)
- ☐ tokenize\_on\_text(sentences)
- ☐ fit\_to\_text(sentences)
- ☐ tokenize(sentences)

✔ Correct

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

0 / 1 point

- ☐ texts\_to\_tokens(sentences)
- ☐ text\_to\_tokens(sentences)
- ☐ texts\_to\_sequences(sentences)
- ☒ text\_to\_sequences(sentences)

✘ Incorrect

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

1 / 1 point

- ☐ unknown\_word=<Token>
- ☒ oov\_token=<Token>
- ☐ out\_of\_vocab=<Token>
- ☐ unknown\_token=<Token>

✔ Correct

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

✔ 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

- ☐ Make sure that they are all the same length using the pad\_sequences method of the tokenizer
- ☒ Use the pad\_sequences object 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

✔ Correct

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

- ☐ Nothing, they'll remain unchanged
- ☐ 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

✔ 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='after' to pad\_sequences when initializing it
- ☐ Call the padding method of the pad\_sequences object, passing it 'post'
- ☐ Call the padding method of the pad\_sequences object, passing it 'after'
- ☒ Pass padding='post' to pad\_sequences when initializing it

✔ Correct