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from keras.preprocessing.text import Tokenizer

sentence = ["John likes to watch movies. Mary likes movies too."]

def print_bow(sentence: str) -> None:
    tokenizer = Tokenizer()
    tokenizer.fit_on_texts(sentence)
    sequences = tokenizer.texts_to_sequences(sentence)
    word_index = tokenizer.word_index
    bow = {}
    for key in word_index:
        bow[key] = sequences[0].count(word_index[key])

    print(f"Bag of word sentence 1:\n{bow}")
    print(f'We found {len(word_index)} unique tokens.')

print_bow(sentence)

Bag of word sentence 1:
{'likes': 2, 'movies': 2, 'john': 1, 'to': 1, 'watch': 1, 'mary': 1, 'too': 1}
We found 7 unique tokens.
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✓ 0s completed at 3:22 PM ● ✕