Python Tutor: Visualize Code and Get AI Help for Python, JavaScript, C, C++, and Java

Python 3.11
known limitations

```
35          vector = []
36          for word in self.vocab:
37              vector.append(tokens.count(word))
38          return vector
39
40      def transform(self, t1, t2):
41          self.create_vocab(t1, t2)
42
43          vec1 = self.create_vector(t1)
44          vec2 = self.create_vector(t2)
45
46          return self.vocab, vec1, vec2
47
48
49  # -------- Using the Class --------
50  bow = bowFun()
51  vocab, vec1, vec2 = bow.transform(tokens1, tokens2)
52
53  print("Vocabulary :", vocab)
54  print("Vector 1   :", vec1)
55  print("Vector 2   :", vec2)
```

Edit this code

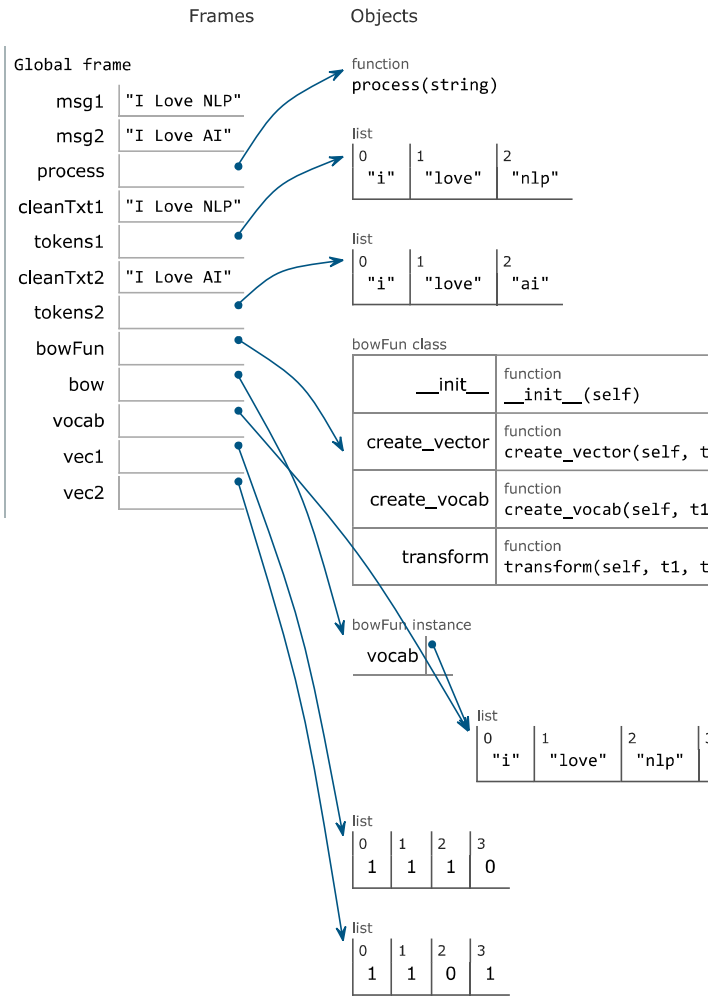
line that just executed
next line to execute

<< First | < Prev | Next > | Last >>

Done running (135 steps)

Print output (drag lower right corner to resize)

```
Enter : I Love NLP
Enter : I Love AI
Vocabulary : ['i', 'love', 'nlp', 'ai']
Vector 1   : [1, 1, 1, 0]
Vector 2   : [1, 1, 0, 1]
```



Help improve this tool by taking a 3-question survey

NEW: teachers get free access to ad-free/AI-free mode

Move and hide objects

Greetings, human!

Edit

I'm a **new experimental AI Tutor** ready to help you. Your code and visualization will be automatically sent to me, so **do not copy-paste them** into your question.

Ask your question below. Or choose a template, edit it, and click "Send":

Explain what is happening at this point in execution.

Explain what is happening at this point in execution.

Send

Reset chat

AI Tutor may be inaccurate. Scroll up and click **Edit and re-send** to generate a *different* AI response.

Tips for good questions:

- Edit your code to be as small as possible.
- Be specific and ask about specific parts of your code.
- Include enough context, such as instructions for your assignment.

show code examples | bugs & unsupported features | why are there ads?

Generate permanent link

Generate embed code