

BIS 420 PROGRAMMING FOR DATA SCIENCE
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CHAPTER 17 EXERCISE 17.7
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This exercise is a cautionary tale about one of the most common, and difficult to find, errors in Python. Write a definition for a class named Kangaroo with the following methods:

1. An `__init__` method that initializes an attribute named `pouch_contents` to an empty list.
2. A method named `put_in_pouch` that takes an object of any type and adds it to `pouch_contents`.
3. A `__str__` method that returns a string representation of the Kangaroo object and the contents of the pouch.

Test your code by creating two Kangaroo objects, assigning them to variables named `kanga` and `roo`, and then adding `roo` to the contents of `kanga`'s pouch. Classes and methods. Download [http:// thinkpython. com/ code/ BadKangaroo. py](http://thinkpython.com/code/BadKangaroo.py) . It contains a solution to the previous problem with one big, nasty bug. Find and fix the bug.

If you get stuck, you can download [http: // thinkpython. com/ code/ GoodKangaroo. py](http:// thinkpython. com/ code/ GoodKangaroo. py) , which explains the problem and demonstrates a solution.

```
/usr/local/bin/python3 "/Users/prajaktapohare/Library/CloudStorage/OneDrive-ILStateUniversity/BIS420/Week 17/BIS420_PrajaktaPohare_Ch17_17.7.py"
• → ~ /usr/local/bin/python3 "/Users/prajaktapohare/Library/CloudStorage/OneDrive-ILStateUniversity/BIS420/Week 17/BIS420_PrajaktaPohare_Ch17_17.7.py"
Kanga has pouch contents:
  'wallet'
  'car keys'
<__main__.Kangaroo object at 0x1051c0f50>
Roo has pouch contents:
○ → ~
```