

## Lab 7.03 - Kangaroo Class

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### Instructions

- Finish writing the `__add__` method for the time class from the Do Now.
- Write a definition for a class named Kangaroo with the following methods:
  - An `__init__` method that initializes an attribute named `pouch_contents` to an empty list.
  - A method named `put_in_pouch` that takes an object of any type and adds it to `pouch_contents`.
  - A `__str__` method that returns a string representation of the Kangaroo object and the contents of the pouch.

### Tips to give students

- This exercise is a cautionary tale about one of the most common, and difficult to find, errors in Python
- `TypeError: Can't convert 'list' object to str implicitly`
- Use the `str()` function to convert the list object to a string.
- Test your code by creating two Kangaroo objects
  - assign them to variables named `kanga` and `roo`
  - add `roo` to the contents of `kanga`'s pouch

### Extra Credit

Return to your Pet class from Lab 7.02. Research the `isinstance` function to write a method, `is_friend` that will take in another pet and return `True` if the two pets are friends, and `false` if they are not.

### Rules

- If they are both dogs they are friends.
- If the instance is a dog and the other pet is a cat, they are friends.
- If the instance is a cat and the other is a dog they are not friends.
- If they are both cats they are not friends.