Kerry Ojakian's CSI 32 Class

Class Assignment #2

General Instructions:

- You may work in a group of at most 3 students.
- Classwork must be put in a your dropbox folder; if there are multiple parts, create a single folder for the class assignment. Make sure you give clear names to your files and folders. Make sure that you indicate all the people in your group.
- When you are done, *email me* to tell me who's folder the class work is in; also, tell me who is in your group. Without this email, you may not get credit for the assignment!

The Assignment

Create a class `Dice` (this must be its exact name!). To initialize it, you pass in one argument n, a positive integer, which will be the number of sides on each of the 2 dice (n defaults to 6 sides). It then creates two dies, each with n sides, each numbered by the integers $1, 2, \ldots, n$. This class has the following methods (with exactly the names below):

1. `roll`: Takes no arguments and returns the sum that results from rolling the 2 dice (so a number between 2 and $2n$)
2. `state`: Takes no arguments and returns two values: the number on the first die, followed by the number on the second die.
3. `__str__`: should print out the current state of the dice nicely.
4. `rollrepeat`: Takes two arguments as input - the first is an integer x between 2 and $2n$ and a the second is positive integer t. The method then rolls the 2 dice t many times and returns the integer indicating the number of times the roll resulted in x. For example, `rollrepeat`(9, 100) would roll the two dice 100 times, and supposing that on 21 of these times the sum is 9, it would return 21.