Homework 9: The Cake Data Type

You are running a bakery. Since you are better at baking cakes than speaking with customers, you want to write a python program to take the customer's order and then print out the receipt. You'll ask the customer how many cakes they'd like to order, and for each cake, what flavor of frosting and cake as well as what they want written on it.

Your output looks something like this:

```
Welcome to Hannah's bakery!
How many cakes would you like to order? 3
Cake 1 Details
Frosting flavor: Coconut
Cake flavor: Dark Chocolate
Writing: Happy birthday, sis!
Cake 2 Details
Frosting flavor: Vanilla
Cake flavor: Funfetti
Writing: Congrats, grad!
Cake 3 Details
Frosting flavor: Cream Cheese
Cake flavor: Red Velvet
Writing: Happy unbirthday to myself!

Receipt

Cake 1 : $ 10.0
Cake 2 : $ 9.5
Cake 3 : $ 10.7
Total: $ 30.2
```

You should define a `Cake` object that you create instances of in your solution. The `Cake` object should have three fields, all of which are strings: frosting flavor, cake flavor, and writing. Your `Cake` class should also have one function: getPrice(). The price of a cake is $8 plus $0.10 per character in the writing.

Submission

You should submit two files by email to me at hkerner@cs.unc.edu: cake.py and hw9.py. Submission is due by Monday, April 6th at 11:15am.