POTD14.1. Problem of the Day #14

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q14

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

```
sh potd-q14.sh
```

Your files for this problem will be in the `potd-q14` directory.

The Problem

Write a class `Pet` that is derived from the `Animal` class

- In addition to the `type_` and `food_` variables, `Pet` should have a private variable `name_` and private variable `owner_name_`.
- Write functions that get and set the type of `food_`, `name_`, and `owner_name_` of the Pet class. Follow the naming scheme of the other getters and setters.
- Write a function print that returns the string `"My name is NAME"` where `NAME` is the value of the `name_` variable.
- Write a default constructor for Pet that initializes `type_` to cat, `food_` to `"fish"`, `name_` to `"Fluffy"`, and `owner_name_` to `"Cinda"` and a constructor that takes in the type of animal, type of food, name, and owner name as parameters.

Testing Your Code

There is a main function in `main.cpp` that produces the following output:

```
I am a cat
My name is Garfield
```

Upload Solution

Drop files here or click to upload.

Only the files listed below will be accepted—others will be ignored.

Files

Pet.cpp
not uploaded

Pet.h
not uploaded

Save & Grade | Save only

POTD 14

Total points: 0/1

Score: 0%

Question

Value: 1

History:

Awarded points: 0/1

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