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#include <iostream>

#include <vector>

#include <string>

using namespace std;

class Meal {
public:
    string name;
    int calories;
    int proteins;
    int carbs;
    int fats;

    Meal(string n, int c, int p, int ca, int f) : name(n), calories(c), proteins(p), carbs(ca), fats(f) {}
};

class MealLogger {
private:
    vector<Meal> meals;

public:
    void logMeal(Meal meal) {
        meals.push_back(meal);
        cout << "Meal logged: " << meal.name << endl;
    }

    int getTotalCalories() {
        int totalCalories = 0;
        for (const Meal& meal : meals) {
            totalCalories += meal.calories;
        }
    }
};
```

```
    }  
    return totalCalories;  
}  
};
```

```
int main() {  
    MealLogger logger;  
  
    Meal meal1("Chicken Salad", 350, 25, 15, 20);  
    Meal meal2("Pasta Carbonara", 500, 15, 70, 25);  
  
    logger.logMeal(meal1);  
    logger.logMeal(meal2);  
  
    int totalCalories = logger.getTotalCalories();  
    cout << "Total calories consumed: " << totalCalories << endl;  
  
    return 0;  
}
```