

main.cpp

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```
#include "Can.h"
#include <iostream>
using namespace std;

void display(Can arrOfCan[]) {
    int totalWeight = 0;
    for (int i = 0; i < 6; i++) {
        arrOfCan[i].display();
        totalWeight += arrOfCan[i].getWeight();
    }
    cout << "The total weight of the array of can is " << totalWeight << "
ounce(s).\n";
};

int main() {

    Can coke("Coke", 12);
    Can mangoMonster("Mango Monster Energy Drink", 16);
    Can redBull("Red Bull", 8);
    Can bang("Bang!", 16);
    Can venomEnergy("Venom Energy", 16);
    Can joltCola("Jolt Cola", 12);

    Can canList[6];

    canList[0] = coke;
    canList[1] = mangoMonster;
    canList[2] = redBull;
    canList[3] = bang;
    canList[4] = venomEnergy;
    canList[5] = joltCola;

    display(canList);
    return 0;
}
```

Can.h

```
#ifndef CAN_H
#define CAN_H
#include <iostream>
using namespace std;

class Can {

private:
    string name;
    int weight;

public:
    Can();
    Can(string name, int weight);
    string getName();
    int getWeight();
    void display();
};

#endif
```

Can.cpp

```
#include "Can.h"
#include <iostream>

Can::Can() {
    name = "None";
    weight = 0;
}

Can::Can(string name, int weight) {
    this->name = name;
    this->weight = weight;
}

string Can::getName() { return name; }

int Can::getWeight() { return weight; }

void Can::display() { std::cout << weight << " ounce can of " << name << endl; }
```

```
➤ make -s
➤ ./main
12 ounce can of Coke
16 ounce can of Mango Monster Energy Drink
8 ounce can of Red Bull
16 ounce can of Bang!
16 ounce can of Venom Energy
12 ounce can of Jolt Cola
The total weight of the array of can is 80 ounce(s).
➤
```