//加号运算符重载

#include <iostream>

using namespace std;

class person {

public:

//1.成员函数重载加号

person operator+(person& p) {

person temp;

temp.ma = this->ma + p.ma;

temp.mb = this->mb + p.mb;

return temp;

}

int ma;

int mb;

};

//2.全局函数重载加号

/\*person operator+(person& p1, person& p2) {

person temp;

temp.ma = p1.ma + p2.ma;

temp.mb = p1.mb + p2.mb;

return temp;

}\*/

//函数重载的版本

person operator+(person& p1, int num) {

person temp;

temp.ma = p1.ma + num;

temp.mb = p1.mb + num;

return temp;

}

void test01() {

person p1;

p1.ma = 10;

p1.mb = 10;

person p2;

p2.ma = 10;

p2.mb = 10;

//成员函数重载本质调用

//person p3 = p1.operator+(p2);

// 全局函数重载本站调用

//person p3 = operator+(p1, p2);

person p3 = p1 + p2;

//运算符重载，也可以发生函数重载

person p4 = p1 + 100;//person+int

cout << "p3.ma" << p3.ma << endl;

cout << "p3.mb" << p3.mb << endl;

cout << "p4.ma" << p4.ma << endl;

cout << "p4.mb" << p4.mb << endl;

}

int main() {

test01();

system("pause");

return 0;

}