//深拷贝，浅拷贝

#include <iostream>

//浅拷贝：简单赋值拷贝操作

//深拷贝：在堆区重新申请空间，进行拷贝

using namespace std;

class person {

public:

person() {

cout << "默认构造函数" << endl;

}

person(int mage, int mheight) {

age = mage;

height = new int(mheight);

cout << "有参构造函数" << endl;

}

person(const person& p) {

cout << "拷贝函数调用" << endl;

age = p.age;

height = new int(\*p.height);

}

~person() {

if (height != NULL) {

delete height;

}

cout << "析构函数" << endl;

}

int age;

int\* height;

};

void test01() {

person p1(18, 180);

cout << "p1 age:" << p1.age << "p1 height" << \*p1.height << endl;

person p2(p1);

cout << "p2 age:" << p2.age << "p2 height" << \*p2.height << endl;

}

int main() {

test01();

system("pause");

return 0;

}