1.

Code:

#include <iostream>

#include <iomanip>

using namespace std ;

class Circle

{

public :

Circle(double a, double b, double c)

{

x = a; y = b; r = c;

}

Circle(Circle &p)

{

x = p.x, y = p.y, r = p.r ;

}

~Circle()

{

cout << "delete+1" << endl ;

}

void Set(double x1, double y1, double z1)

{

x = x1, y = y1, r = z1 ;

}

void Print()

{

cout << "The ordinate is (" << x << ',' << y << "), the radius is " << r << endl ;

}

double Area()

{

return 3.1415926 \* r \* r ;

}

private :

double x, y, r ;

} ;

int main()

{

Circle a(1, 1, 4), b(a) ;

b.Print() ;

b.Set(2, 2, 4) ;

b.Print() ;

cout << b.Area() << endl ;

return 0 ;

}

Result:

The ordinate is (1,1), the radius is 4

The ordinate is (2,2), the radius is 4

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delete+1

delete+1

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2.

Code:

#include <iostream>

#include <cstdio>

using namespace std ;

class Rectangle

{

public :

Rectangle(double a = 0, double b = 0, double c = 1, double d = 1)

{

x1 = a, y1 = b, x2 = c, y2 = d ;

}

Rectangle( Rectangle &p)

{

x1 = p.x1, x2 = p.x2, y1 = p.y1, y2 = p.y2 ;

}

~Rectangle()

{

cout << "解构+1" << endl ;

}

void Set(double a, double b, double c, double d)

{

x1 = a, y1 = b, x2 = c, y2 = d ;

}

void Print()

{

printf("The lower left point is (%.2lf,%.2lf), the upper right point is (%.2lf,%.2lf).\n", x1, y1, x2, y2) ;

}

double Area()

{

return fabs(x1 - x2) \* fabs(y1 - y2) ;

}

void Allpoints()

{

printf("The lower left point is (%.2lf,%.2lf), the lower right point is (%.2lf,%.2lf), the upper left point is (%.2lf,%.2lf), the upper right point is (%.2lf,%.2lf).\n", x1, y1, x2, y1, x1, y2, x2, y2) ;

}

private :

double x1, y1, x2, y2 ;

} ;

int main()

{

Rectangle a, b(a) ;

b.Print() ;

b.Set(3.0, 3.0, 5.0, 6.0) ;

b.Allpoints() ;

cout << "The area of b is " << b.Area() << endl ;

return 0 ;

}

Result:

The lower left point is (0.00,0.00), the upper right point is (1.00,1.00).

The lower left point is (3.00,3.00), the lower right point is (5.00,3.00), the upper left point is (3.00,6.00), the upper right point is (5.00,6.00).

The area of b is 6

解构+1

解构+1

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