public class D

{

public static void main(String [] args)

// Can we instantiate an instance of class 'X' here?

X x1 = new X();

// Assuming the answer to the previous question is 'yes'

// how/can we access the attributes 'a' & 'b'

// (we can access 'a' via the instance 'x1' but it's

// confusing so some regard it as bad form

X.a = 100;

x1.b = 200;

System.out.println(X.a + " " + x1.b);

// Assuming the answer to the first question is 'yes'

// how can we call m1() & m2()

X.m1();

// Again we could call static m1 via a reference but

// again some regard it as bad form

// Compile error: calling non-static without reference

// No: X.m2();

x1.m2();

}

}

public class X

{

// Normally should be private, public only to illustrate

// accessing static vs. non-static

public static int a;

public int b;

public static void m1()

{

// How/can we access 'a' and b here

a = 1;

System.out.println(a);

// Compile errors: no 'this' reference in static methods

// b = 2;

// Because "b = 2;" equivalent to this.b = 2;

}

public void m2()

{

// How/can we access 'a' and b here

a = 10;

b = 20;

System.out.println(a + " " + b);

}

}