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);

 }

}