Signature	CSE 11	Name	
	Quiz 4		
cs11f	Fall 2012	Student ID	

Student ID

This quiz is to be taken **by yourself** with closed books, closed notes, no electronic devices.

What is the output produced by the following program? (Hint: draw stack frames)

cs11f

ref1.swap(ref2);

}

System.out.println(ref1.a);

System.out.println(ref2.a);

```
public class Swap
  private int a;
  public Swap( int a )
    this.a = a;
  public void swap( int a, int b )
    int tmp;
    tmp = a;
    a = b;
   b = tmp;
  public void swap ( Swap ref )
    int tmp;
    tmp = this.a;
    this.a = ref.a;
    ref.a = tmp;
  public static void swap( Swap ref1, Swap ref2 )
    Swap tmp;
    tmp = ref1;
    ref1 = ref2;
    ref2 = tmp;
  public static void main( String[] args )
                                                                          Output
    int a = 11; Swap ref1;
int b = 22; Swap ref2;
    ref1 = new Swap(9);
    ref2 = new Swap(3);
    Swap.swap( ref1, ref2 );
    System.out.println( refl.a );
    System.out.println( ref2.a );
    ref1 = new Swap(9);
    ref2 = new Swap(3);
    refl.swap(a, b);
    System.out.println( a );
    System.out.println( b );
    ref1 = new Swap(9);
    ref2 = new Swap(3);
```

The different swap() method definitions have the same name but differ in their formal parameters. This is an example of method

What is the initial value of each array element in	n the following arrays?
Boolean[] b = new Boolean[3];	double[] d = new double[4];
<pre>int[] a = new int[5];</pre>	<pre>boolean[] c = new boolean[7];</pre>
Given the following array declaration:	
int[] a = { 1, 1, 2, 3, 5, 8, }; // You	do not know how many values are in the initializer list
Fill in the blanks to print out each element:	
for (int i = ; i <	_ ;)
<pre>System.out.println();</pre>	
Now do the same using a foreach (enhanced for	·
(int i	_)
<pre>System.out.println();</pre>	
Now do the same using a while loop (any loop v	variable change do on a separate line):
while () {	
}	
	n assume there is at least one element in the array): ny loop variable change do on a separate line)
{ 	
}	
	you should also override the method.
Write the code to check for exact type equivalent	nce between two objects referenced by variables o1 and o2:
write the code to check for exact type equivalen	ice between two objects referenced by variables of and 62.
<pre>if (System.out.println("o1 and o2 refer.</pre>	ence the exact same type of object");
else System.out.println("o1 and o2 reference of the state of the stat	
Which is the only Java data structure than can h	old primitive data types (like int) while all other standard Java
data structures can only hold an object type?	
What is Rick's favorite Java operator?	