References:

Sample 1:

The file `OneInt.java` contains the following implementation of the `OneInt` class:

```
public class OneInt
{
     public int value;

     public OneInt (int value)
}
```

The file `TwoInts.java` contains the following implementation of the `TwoInts` class:

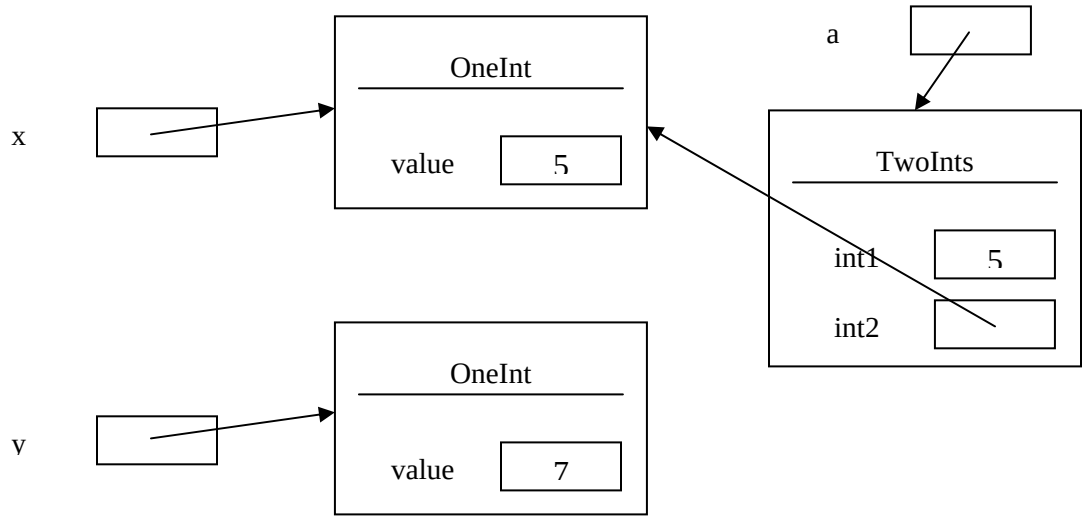
```
public class TwoInts
{
     public int int1;
     public OneInt int2;

     public TwoInts (int int1, OneInt int2)
}
```

The `main` method in the file `MainClass.java` uses the above classes:

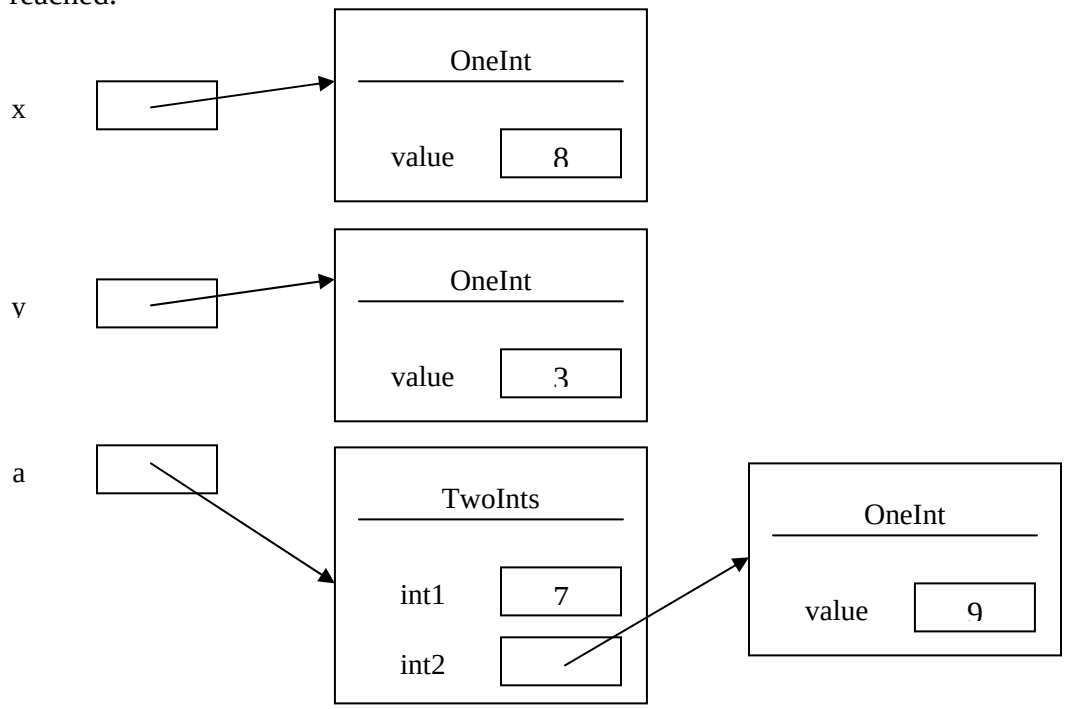
```
public class MainClass
{
     public static void main(String[] args)
     {
          OneInt x = new OneInt(5);
          OneInt y = new OneInt(7);
          TwoInts a = new TwoInts(x.value, x);

          // Part 1 – draw the object diagrams at this time

          x.value = 3;
          x = new OneInt(8);
          a.int1 = y.value;
          y = a.int2;
          a.int2 = new OneInt(9);

          // Part 2 – draw the object diagrams at this time
     }
}
```

When `java MainClass` is executed,

Part 1: draw the object diagrams for all identifiers of `OneInt` and `TwoInts` when the comment line "`// Part 1 – draw the object diagrams at this time`" is reached.



Part 2: draw the object diagrams for all identifiers of `OneInt` and `TwoInts` when the comment line "`// Part 2 – draw the object diagrams at this time`" is reached.



Sample 2:

The file `AnInt.java` contains the following implementation of the `AnInt` class:

```
public class AnInt
{
     public int data;

     public AnInt (int data)
}
```

The file `MoreInts.java` contains the following implementation of the `MoreInts` class:

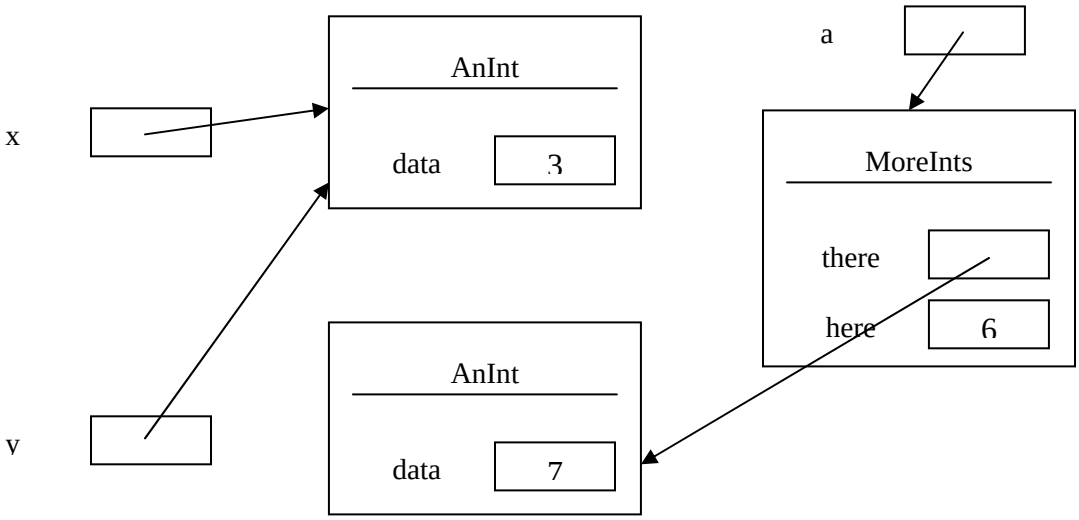
```
public class MoreInts
{
     public AnInt there;
     public int here;

     public MoreInts (AnInt there, int here)
}
```

The `main` method in the file `MainClass.java` uses the above classes:

```
public class MainClass
{
     public static void main(String[] args)
     {
          AnInt x = new AnInt(3);
          AnInt y = x;
          MoreInts a = new MoreInts(new AnInt(7), 6);

          // Part 1 – draw the object diagrams at this time

          y = a.there;
          y.data = a.here;
          a.here = x.data;
          x = new AnInt(1);

          // Part 2 – draw the object diagrams at this time
     }
}
```

When `java MainClass` is executed,

Part 1: draw the object diagrams for all identifiers of `AnInt` and `MoreInts` when the comment line "`// Part 1 – draw the object diagrams at this time`" is reached.



Part 2: draw the object diagrams for all identifiers of `AnInt` and `MoreInts` when the comment line "`// Part 2 – draw the object diagrams at this time`" is reached.