Classes Using Referenced (Object) Data Types

When creating classes, objects from other classes may be used.

| ```java
public class My2DPoint  {
  double x,y;

  // constructor
  public My2DPoint () {
    x = 1;
    y = 1;
  }
…
…  <more code here>
…
}
``` | This class was created in a previous lesson. |

| ```java
public class AnotherClass  {
String s = "A";
My2DPoint p1;
My2DPoint p2;

  public AnotherClass () {
s = "A";
p1 = new My2DPoint();
p2 = new My2DPoint();


}
``` | "AnotherClass" contains 3 variables: 1 string and 2 My2DPoints . |

| ```java
public class TestProgram {
  public static void main (String [] args)  {
AnotherClass obj_1 = new AnotherClass( );
   obj_1.p1.x = 8.3;
   obj_1.p1.y = 9.1;
System.out.println (obj_1.p1.x);
System.out.println (obj_1.p1.y);
System.out.println (obj_1.p2.x);
System.out.println (obj_1.p2.y);
System.out.println (obj_1.s);

}
``` | Accessing the all the data associated with obj_1. |