

1. What are the differences between Lists, Sets, and Maps in Java?

Answer: Lists are a collection of elements (like an array) where the order matters and multiples of the same element are allowed. Unlike an array, the size is not fixed but is instead dynamic. Sets are essentially the same as a set within mathematics (i.e., they do not contain repeats and order does not matter). A map is essentially a collection of ordered pairs with the first element of each pair being labelled as a key and the second being labelled as a value.

<https://docs.oracle.com/javase/7/docs/api/java/util/Collections.html>

2. Write a line of code that shows how you would instantiate an ArrayList of String.

Answer: `List<String> myList = new ArrayList<>();`

<https://www.geeksforgeeks.org/initialize-an-arraylist-in-java/>