

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

Regarding duplicates only Lists may have duplicates. Sets cannot. Maps can have duplicate values, but the keys are unique. They also differentiate in what order they are. List is ordered by insertion order; set is usually unordered and Maps are ordered by the ordering of their key. Finally Lists allow infinite amount of null elements, Sets allow only one, Maps allow one null key and infinite null elements.

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

```
List<String> myArrayList = new ArrayList<String>();
```

3. Write a line of code that shows how you would instantiate a HashSet of StringBuilder.

```
Set<StringBuilder> myHashSet= new HashSet<StringBuilder >();
```

4. Write a line of code that shows how you would instantiate a HashMap of String, String.

```
Map<String, String> myHashMap=new HashMap<String, String>();
```

<https://www.java67.com/2013/01/difference-between-set-list-and-map-in-java.html>