While researching new features to Java 9 I was able to find the official docs from Oracle and found them to be really helpful. I found this document to be really helpful primarily for the reason that it is trustworthy and straight from the source. I sometimes find that secondary websites have incorrect data when it comes to details for some programs and while they serve a purpose and have good information a lot of the times, it can be extra work to decipher what is accurate.

[Java 9 Changes](https://docs.oracle.com/javase/9/whatsnew/toc.htm#JSNEW-GUID-C23AFD78-C777-460B-8ACE-58BE5EA681F6)

Java 9 was considered to be a major feature release. It was released in September of 2017 and contained some very valuable updates. Some of these updates were:

1. Factory Methods for Collections
2. Stream API Enhancements
3. Optional Class Enhancements

There are a variety of changes but the one I want to talk about more is the Factory Method for Collections. Collections provide a way to gather and group data items so that it can be manipulated in a variety of ways. In Java 8 there was no simple way of creating a collection with predefined data and it was more a bit more work. In Java 9 this was simplified making for more efficient coding long term. In many ways this feels like a small change but in my opinion, over time these changes lead to better syntax and more efficient development.

Here is an example from Java 8:

List<Point> myList = new ArrayList<>);

myList.add(new Point(1, 1));

myList.add(new Point(2, 2));

myList.add(new Point(3, 3));

myList.add(new Point(4, 4));

myList = Collections.unmodifiableList(myList);

Here is the same code in Java 9:

List<Point> list =

List.of(new Point(1, 1), new Point(2, 2),

new Point(3, 3), new Point(4, 4));

Examples from <https://www.oracle.com/corporate/features/jdk9-new-developer-features.html>