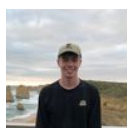


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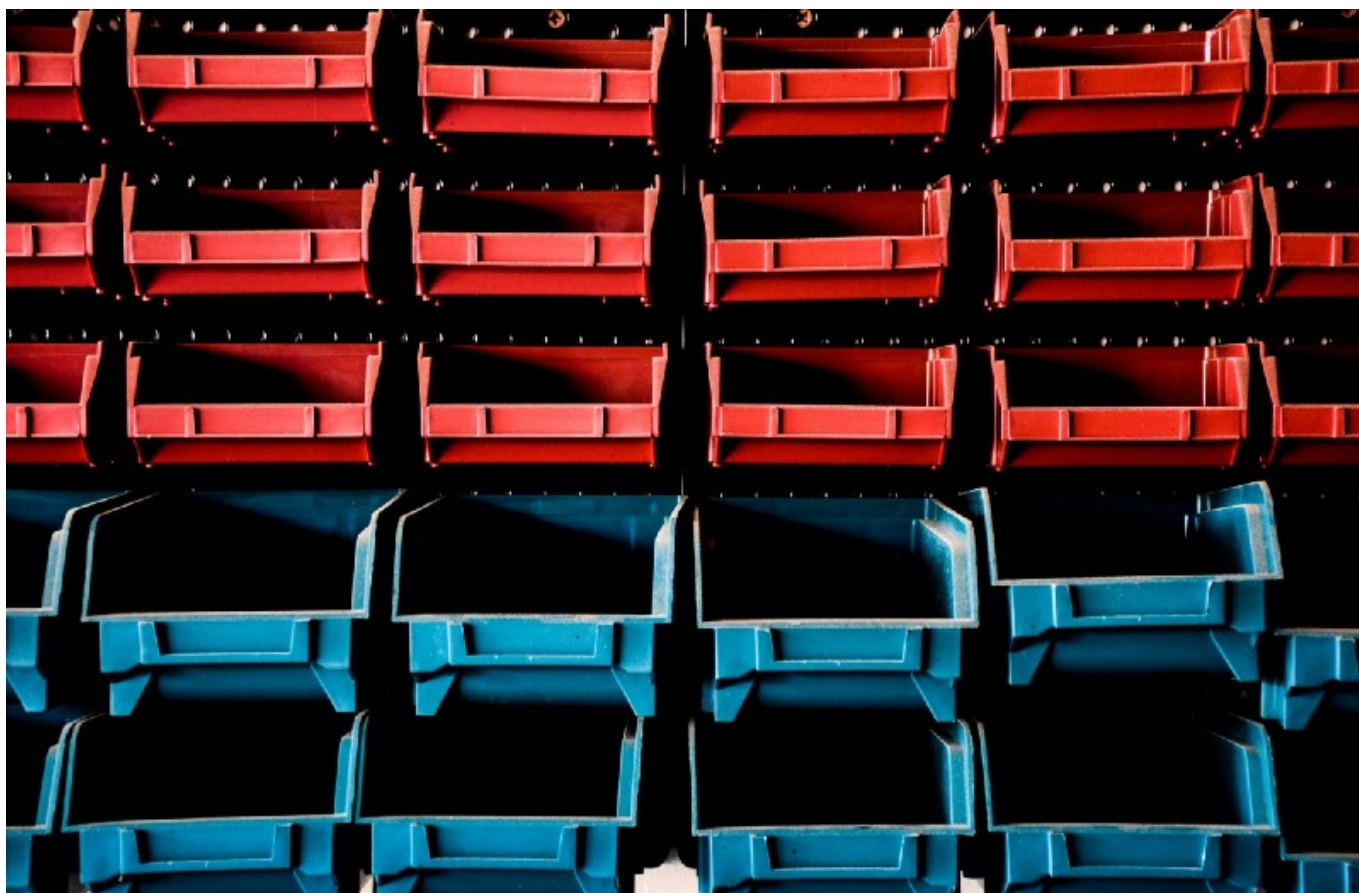
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Using Java's Arrays.sort() for any List of Objects



Ethan Arrowood

Computer Science students at Wentworth Institute of Technology. Future software engineer at Microsoft. Lots of JavaScript/TypeScript open source with Fastify and Matterhorn



Sorting can be tricky, especially when your list is not of a primitive Java numeric type (Byte, Integer, Short, Long,

method might not be the best case. However, I've found it incredibly useful for simple coding challenges and university lab assignments.

To start, pick your list. For this example I'll be using a list of `Edges` from a simple `Graph` data structure:

```
// Very simple Edge classpublic class Edge {    public Vertex src;
```

```
// List of edgesEdge[] edges = graph.getEdges();
```

Next, define the implementation of the `java.util.Comparator` interface:

```
class SortByCost implements Comparator<Edge> {    public int compai
```

In this example, we will be sorting the `edges` by their cost, or distance from the `src` (source) vertex to the `dst` (destination) vertex.

Finally use the standard `java.util.Arrays.sort()` method:

```
Arrays.sort(edges, new SortByCost())
```

And just like that, the list of `Edges` is now sorted in ascending (least to greatest) order.

If you have any questions feel free to reach out on [Twitter](#)

You can also find me on [GitHub](#) or my personal [website](#)

~ Happy Coding

— Ethan Arrowood

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