## Q1) Integer Array

See https://docs.oracle.com/javase/7/docs/api/java/util/Arrays.html for API.

a. Declare an array of integers. This array should have enough room for 100 values. Use the **`Arrays.fill()`** to fill every slot in this array with the value 19. Use a ***for*** loop to iterate through this array, printing each element to console.

b. Look at the API for the *Arrays* class. Find the method that allows you to fill slots 51-100 with the value 25, without disturbing slots 1-50. Check your work. Use an enhanced for loop to iterate through the array, printing each element to console.

## Q2) Sorting Arrays

a. Declare an array of 10 integers using the shortcut declaration:

```
int[] nums = {5, 4, 76, 12, 54, 1, 6, 999, 998, 821};
```

Use **`Arrays.sort()`** to sort this array. Print the contents of the array to console.

b. Look at the API for the *Arrays* class. Find the method that allows you to search for a specific value. Search for the value 5. Print out the index position of this int value.