Random number generation + Search for value

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- Problem 1: Create a method that takes in an integer and generates an integer array of that size, filled with random numbers from 1 to 100 (inclusive)

```
import java.util.Arrays
```

```
System.out.println(Arrays.toString(generateArray1to100(8)));
System.out.println(Arrays.toString(generateArray1to100(5)));
System.out.println(Arrays.toString(generateArray1to100(12)));
```

- Problem 2: Using the array of random numbers generator from Problem 1, print out the smallest even and odd number, and the largest even and odd number.
  - This problem may be a bit tricky. It is different from a standard find the smallest/largest problem. But a hint that may help is that the array from problem 1 is always numbers from 1 to 100.
  - Think about edge cases! How should your code behave when there are no odd/even numbers?

```
int[] array = generateArray1to100(20);
System.out.println(Arrays.toString(array));
minMaxOddEven(array);
```

Sample Outputs

```
minEven: 8
maxEven: 96
minOdd: 13
maxOdd: 95
```

It is possible to not have even/odd numbers and for the min/max to be the same number!

```
minEven: None
maxEven: None
minOdd: 52
maxOdd: 52
```