

# static variables (class variables)

static Random rand = new Random();  
↖ outside of main  
any method in the class can access  
rand.

---

Get/Store data from user  
e.g. 10 ints.

- ↳ # of iterations
  - ↳ length of array
  - ↳ divide by for avg.
- 

static final int DATA\_LENGTH = 10

↑  
it once  
it is set;  
it cannot  
be changed

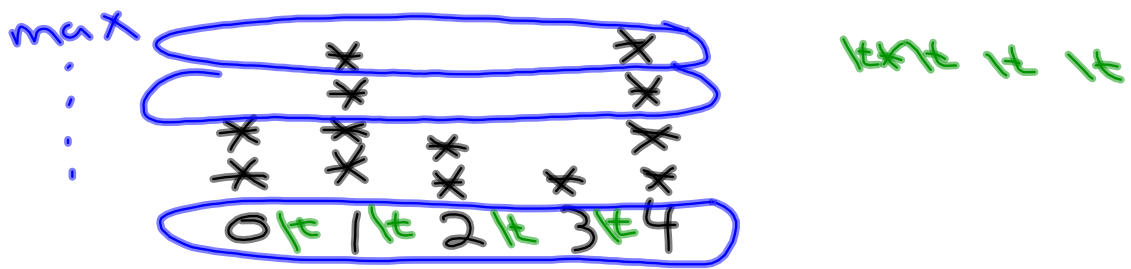
↑  
constants

```
public static void printBarChart(  
    int[] numbers) {
```

```
}
```

```
0 * * *  
1 * *  
2 * * * *  
3 * * *  
4 *
```

```
int[] intArray = {5, 2, 3, 6, 7, 1, 0};  
String[] names = {"Bob", "Sue",  
                  "Larry"};  
names[1].charAt(0);
```



\*  
0 1 2