

## Practice Quiz #3 - Arrays & For Loops

### Programming Fundamentals in Java

Consider a college class of students and their respective, **ages**. In this college class, the youngest student is 18 years old while the oldest student is 24 years old.

The array, `ageCounts`, keeps track of the number of students in each age category, that is the number of students at each specific age. Note: at element 0 of the array, which refers to 18 year olds, the number of 18 year olds in the class is 3. Also, at element 6, the number of 24 year olds in the class is 8, and so on...

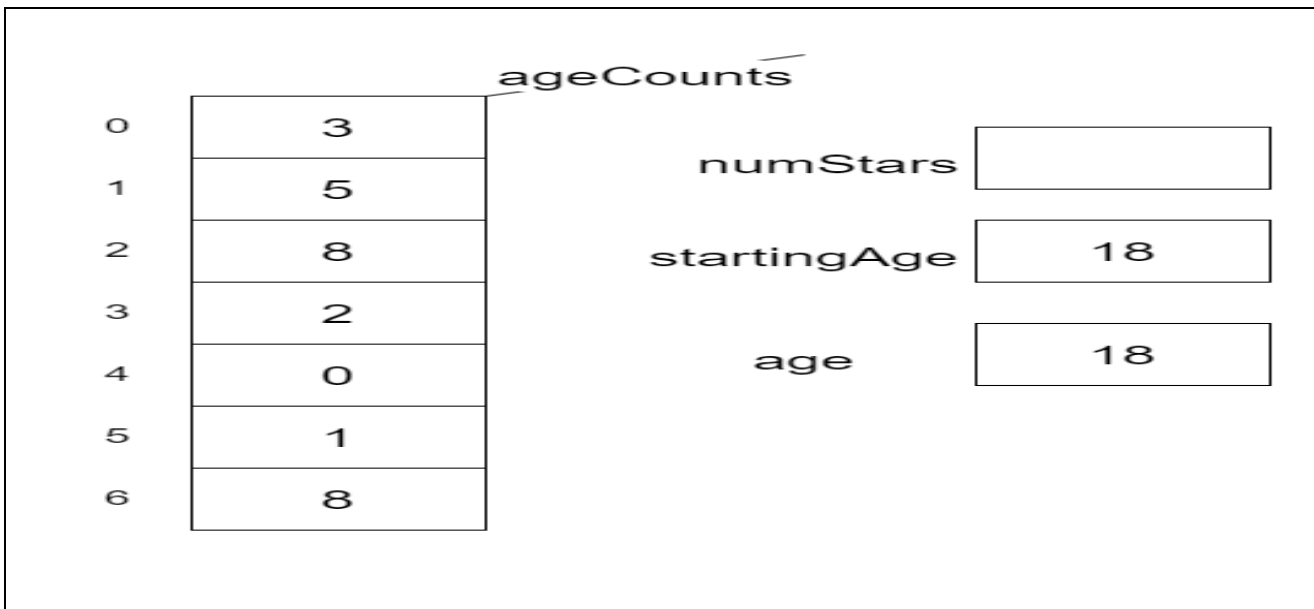


Figure 1. Suggested Data Structures

Write a Java program which prints out the age chart or histogram as show below. Each \* represents one student. For example, in the sample session below there are 3 stars beside 18, because there are 3, 18 year olds in the class.

### Sample Session

```
BlueJ: Terminal Window - Q3
Options
Age Distribution Histogram
18 ***
19 *****
20 *********
21 **
22
23 *
24 *********
```