

## Discussion Questions for “Java Arrays”

1. Describe two different programming applications where it would make sense to use arrays. (If your imagination is failing you, check out the [w3schools Java excercises.](#))
2. Describe the similarities and the differences between a Java Array, and the Java library class called “Vector”. (See the example code [VectorArray.java](#) for an example of using the Vector class.)
3. Could you create an IntegerMatrix class in Java? If so, what fields and methods would you include? Can you do matrix multiplication? For an extra challenge, can you make your Matrix class generic? That is, a Matrix of anything? (Warning: This is surprisingly difficult in Java, almost impossible using Arrays, but simpler using Lists.)
4. How would you write a static method that takes a variable length argument list of integers, and returns the sum of those integers?