**DSTR Tutorial 3**

Question 1

a. No, because deleting an element incurs various operations.

Model answer: Array lists may not be so suitable in this case. Using array lists to perform multiple insertions and deletions will constantly shift the remaining elements to fill up the space.

b. ArrayList<Object> arrayList;

Question 2

Implementation 2 is superior as it is more efficient. By multiplying it, it requires less uses of it.

Question 3 (might come out in quiz)

Arrays over array Lists

* When size of data is fixed or unlikely to change frequently
* When insertion of data is only at the tail end

Array Lists over arrays

* When size of data is unknown or likely to change
* When there is a need to insert and/or remove items at random position