AQ5.1: Activity Question 1 - Not Graded

**This assignment will not be graded and is only for practice.**

**Note : This activity is only for practice purpose and it will not be counted towards the Final score  
  
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[**Click here**](https://drive.google.com/drive/folders/1JBRSlac2hxKgfYLcoII7pGEd8g3fFi_q?usp=sharing)**to refer/view the data used:**  
  
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***1 point***

Two subsets of a dataset cannot have any elements in common.

True

False

***1 point***

Consider the “Paragraph Words” dataset and execute the following procedures.  
  
 Procedure-1: Arrange all cards in the ascending order of serial numbers. Iterate through the cards and filter the nouns.  
 Store card numbers of all such cards in a list X**X**.  
  
 Procedure-2: Arrange all cards in the descending order of serial numbers. Iterate through the cards and filter the nouns.  
 Store card numbers of all such cards in a list Y**Y**.  
  
 What can you say about these two lists X**X** and Y**Y**?

The elements and their order in the lists X**X** and Y**Y** will be same.

The elements and their order in the lists X**X** and Y**Y** will be different.

The elements in the lists X**X** and Y**Y** will be same but their order will be different.

Can not be determined.

***1 point***

Let us consider the “Scores” dataset. Lists **X** and **Y** are defined as follows:  
  
 **X**: Students who belong to Chennai.  
 **Y**: Students who belong to Madurai.  
  
 **length(S)** is a procedure that returns the number of elements in list **S**. If there are more students from Chennai than Madurai in the dataset, which of the following statements will evaluate to true?

**X** > **Y**

**Y** > **X**

**length(X)** > **length(Y)**

**length(Y)** > **length(X)**

***1 point***

Let **X** and **Y** be two lists. **intersect(X, Y)** is a procedure that finds the elements common in these two lists. What should be the datatype of the value that this procedure returns?

Integer

Boolean

List

***1 point***

What are the advantages of bookmarking the filtered cards in a dataset? It is a Multiple Select Question (MSQ).

Data can be accessed without disturbing the order of cards in the dataset.

We can find a particular card without iterating over them.

There are no advantages.