AQ2.4: Activity Questions 4 - Not Graded

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

**Note :** This activity is for your practice purpose only. Your score in this will not count towards the Qualifier Process.

***1 point***

Refer to the procedure to find the maximum number of bills that have been generated by any shop. At an intermediate stage in the procedure, we have the following values for these variables:  
**BB** = 1, **SV** = 3, **SG** = 2, **MAX** = 3  
Now, a new card comes up. It belongs to “SV stores”. After updating one of these variables, which of the following pairs of variables would have to be compared:

**MAX** and **BB**

**MAX** and **SV**

**SG**and **MAX**

**SG** and **SV**

***1 point***

Assume that we have already figured out the maximum number of bills generated by any shop. It is stored in a variable called MAX. Now, we have a new pile containing 30 cards. All cards in this pile are bills from three new shops. What is the least number of cards that we would have to iterate over to determine the maximum number of bills generated among all six shops? Note that the dataset already has 30 cards.

30

60

6

0

***1 point***

We have a new version of the “Shopping Bills” dataset with 1000 cards drawn from several new shops. Apart from the variable **MAX**, what is the maximum number of variables that we would have to maintain if we wish to find the maximum number of bills generated by any one of the shops?

3

6

1000