AQ3.7: Activity Question 7 - 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***

If a student has topped the class in terms of the *total marks* obtained, which of the following statements is true?

The student has certainly topped in every subject

The student has certainly topped in at least one subject

The student may not have topped in any subject

The student has certainly topped in exactly one subject

***1 point***

Using the procedure Maxmarks(fld) discussed in the lecture, we compute the following expression:  
  
Maxmarks(Maths) + Maxmarks(Physics) + Maxmarks(Chemistry) - Maxmarks(Total)  
  
What can you say about the outcome of the above expression? Assume that we run it on a variant of the “Scores” dataset that has 100 cards in it.

It is always zero

It is always less than zero

It is always greater than zero

It is always less than or equal to zero

It is always greater than or equal to zero

***1 point***

Assume that we have a procedure Minmarks(fld) that computes the minimum marks for a given field. Using this procedure we compute the following expression:  
  
Minmarks(Maths) + Minmarks(Physics) + Minmarks(Chemistry) - Minmarks(Total)  
  
What can you say about the outcome of the above expression? Assume that we run it on a variant of the “Scores” dataset that has 100 cards in it.

It is always zero

It is always less than zero

It is always greater than zero

It is always less than or equal to zero

It is always greater than or equal to zero