AQ3.8: Activity Question 8 - 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.**

Consider the following code-block in the procedure **TopThreeMarks(Subj)** discussed in the lecture:  
  
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Assume that we call the procedure **TopThreeMarks**(Maths). At an intermediate stage in the execution of this procedure, we find the variables having the following values:  
  
max = 88, secondmax = 76, thirdmax = 68  
  
For the next card that we pick up from Pile 1, the condition in the above if statement evaluates to true. What could be the smallest value of the maths marks on this card?

***1 point***

***1 point***

Under which of the following conditions will the given code-block be certainly executed?  
  
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Whenever **X**.Subj is greater than secondmax

Whenever **X**.Subj is less than max

Whenever **X**.Subj is greater than secondmax and **X**.Subj is less than max

Whenever **X**.Subj is less than secondmax and **X**.Subj is greater than max

***1 point***

In the procedure **TopThreeMarks(Subj)**, we are just returning thirdmax. Which of the following options gives the correct reason behind this decision?

We will be using this procedure to find out who has got the third highest mark in a given subject. So it is sufficient if we return just this value.

We will be using this procedure to find out if a given student has come within the top three scorers in a given subject. So it is sufficient if we return just this value.

***1 point***

Consider the procedure **SubjectTopper(Card, MMark, PMark, CMark)**discussed in the lecture. What is the basic datatype of the value that this procedure returns?

Integer

Boolean

Character

***1 point***

For some arbitrary card **X**, we execute the following statements:  
  
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AI-generated content may be incorrect.  
  
What would be the return values when read from top to bottom?

True, True, False

False, True, True

True, True, True

False, False, False

Insufficient information. We need to know more details about the card.

***1 point***

In the extremely improbable event that all the students have scored 100 in all three subjects, how do we distribute the three prizes?

We find the three youngest students and give them the prizes

We randomly pick two boys and one girl and give them the prizes

We randomly pick two girls and one boy and give them the prizes

We do not distribute any prizes