AQ2.8: Activity Questions 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 flowchart discussed in the lecture:  
  
A diagram of a algorithm

AI-generated content may be incorrect.

***1 point***

If there are N*N* cards in the dataset, how many times is the first decision block visited?

N*N*

N+1*N*+1

***1 point***

A programmer inadvertently changes the second decision operation so that it reads as follows: **CardX.Maths < max?** . All other blocks are left unchanged. If we go by this flowchart, what does the variable **max** store at the end of the execution?

It stores the maximum maths marks

It stores the minimum maths marks

It stores the value 0

Insufficient information to answer this question

***1 point***

Continuing with the previous question, how many times will the last block in the flowhcart - **max = CardX.Maths** - be visited?

0

1

2

3

***1 point***

The programmer realizes his mistake and reverts to the original flowchart. But now, for some weird reason, he decides to change the second block to read as follows: **max = 98** . What would the variable max store at the end of the execution? It is a Multiple Select Question (MSQ).

It will store the maximum maths marks

It will store the maximum maths marks, provided there is at least one student who has scored greater than or equal to 98

If no student has scored more than 98, **max** will store the value 98

Insufficient information