AQ9.5: Activity Question 5 - 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 Final score.**

***1 point***

A graph is generated using the “Scores” table with the students as nodes. The nodes are labeled using the sequence number, SeqNo. Assume that all marks are integers. Study the following pseudocode:  
  
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Given a pair of students (i,j)(*i*,*j*), there is an edge from i*i* to j*j* in the graph if and only if:

i*i* has scored less than j*j* in Mathematics.

i*i* has scored more than j*j* in Mathematics.

i*i* has scored at least five marks more than j*j* in Mathematics.

i*i* has scored at least six marks more than j*j* in Mathematics.

***1 point***

Use the matrix A**A** computed in the question number 11. Given a student i**i**, what does the return value of the procedure proc(A,i)**proc**(**A**,**i**) represent?  
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The number of students who have scored exactly five marks more than student i*i* in Mathematics

The number of students who have scored at least six marks less than student i*i* in Mathematics

The number of students who have scored more than student i*i* in Mathematics

The number of students who have scored the same marks as student i*i* in Mathematics

***1 point***

Using the matrix A**A** obtained from the first question, execute the following pseudocode. Given a student i**i**, which of the following statements about the return value of the procedure proc(A,i)**proc**(**A**,**i**) is true?  
  
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It is True if there is a student who has scored at least eleven marks less than i*i* in Mathematics

It is True if there is a student who has scored at least twelve marks less than i*i* in Mathematics

It is True if there is a student who has scored at least six marks less than i*i* in Mathematics

It is True if there is no student who has scored less than i*i* in Mathematics