AQ9.2: Activity Question 2 - 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***

Which of the following statements are correct about matrix of *m*rows and *n*columns?

It is a two dimensional table.

It supports random access of elements.

By convention, rows and columns of matrix are numbered from 0.

***1 point***

An element of matrix, m*m* rows and n*n*columns, can be represented by matrix[i][j]. Which is/are the correct range(s) of i*i* and j*j*?

0≤i≤m0≤*i*≤*m* and 0≤j≤n0≤*j*≤*n*

0≤i≤m−10≤*i*≤*m*−1 and 0≤j≤n−10≤*j*≤*n*−1

0≤i<m−10≤*i*<*m*−1 and 0≤j<n−10≤*j*<*n*−1

0≤i<m0≤*i*<*m* and 0≤j<n0≤*j*<*n*

***1 point***

What is the default value of elements of created matrix mat in the lecture?

1

0

Empty

Unknown

(Use the following data for Question 4,5 and 6 only)

The procedure **sumMatrix** takes input as a square matrix. A square matrix has same number of rows and columns.

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Answer the following questions based on the above pseudocode.

***1 point***

What will Sum represent?

It will be the summation of all elements of matrix M**M** .

It will be the summation of principal diagonal elements of matrix M**M**.

It will be the summation of all elements of rows of matrix M**M**.

It will be the summation of all elements of columns of matrix M**M**.

***1 point***

Consider if block statement is modified as:  
  
A math equation with numbers

AI-generated content may be incorrect.  
  
Then which is the correct option?

Matrix M**M** will become lower triangular matrix.

Matrix M**M** will become upper triangular matrix.

Matrix M**M** will become triangular matrix.

Can not say anything.

***1 point***

If we add the exitloop**exitloop** statement in the if block immediately after ”Sum=Sum+M[r][c]”**”Sum**=**Sum**+**M**[**r**][**c**]**”**. Which of the following statement(s) is/are correct?

It will give the same value of Sum**Sum** as in old pseudocode.

It will not give the same value of Sum**Sum** as in old pseudocode.

It will reduce the computing time.

None of the above.