Given a square matrix m[3x3], create a java code to calculate the value of its SECONDARY Diagonal. See example below.

**Hint:** In order to better understand the concepts involved in this exercises, research the terms “square matrix” and “secondary diagonal of a matrix” using your favourite search engine.

Example given matrix m[3x3] shown below:

|  |  |  |
| --- | --- | --- |
| (0,0) (0,1) (0,2) | | | 10   12  11 |
| (1,0) (1,1) (1,2) | | | 9   8   31 |
| (2,0) (2,1) (2,2) | | | 2   16  24 |

Secondary Diagonal (generic m[3x3]) = m[0,2] + m[1,1] + m[2,0]  
Secondary Diagonal (as in the example above) = 11 + 8 + 2 = 21

**Note 1:** Your java code MUST be GENERIC to calculate the secondary diagonal of ANY square matrix [2x2], [3x3],[4x4], etc. (Use a constant in your code to set the values of numberOfRows and numberOfColumns of your matrix.

**Note 2:** Your matrix m may be hardcoded (no need of user interaction)

**Note 3:** In case numberOfRows and numberOfColumns ar differents, your program must display the following message: “This is not a square matrix.”