OOP Assignment #2

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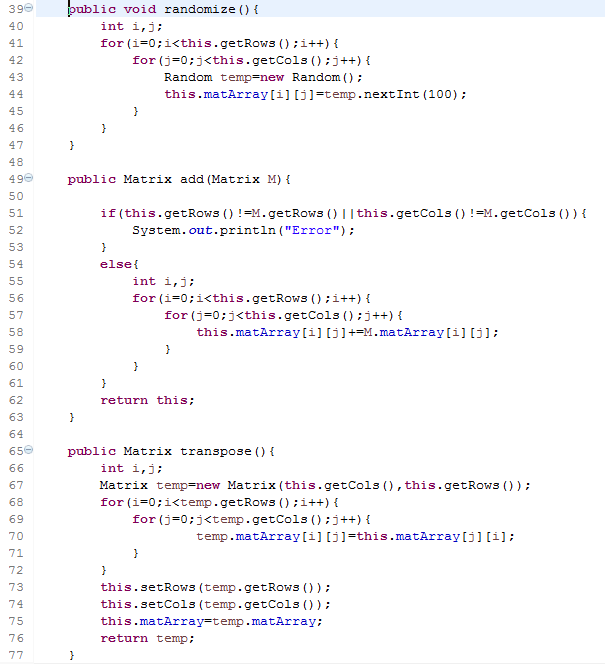
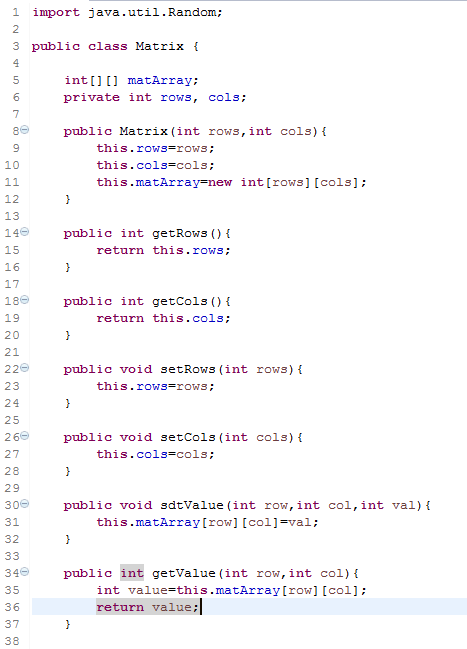
임현택

1. Assignment summary

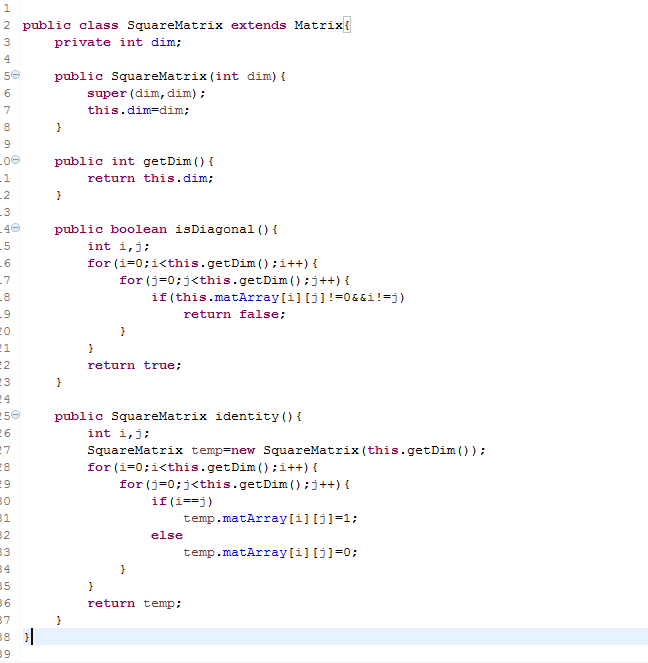
Operate with Matrix.

2. Code

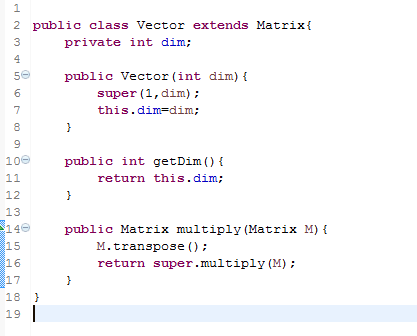
Matrix.java



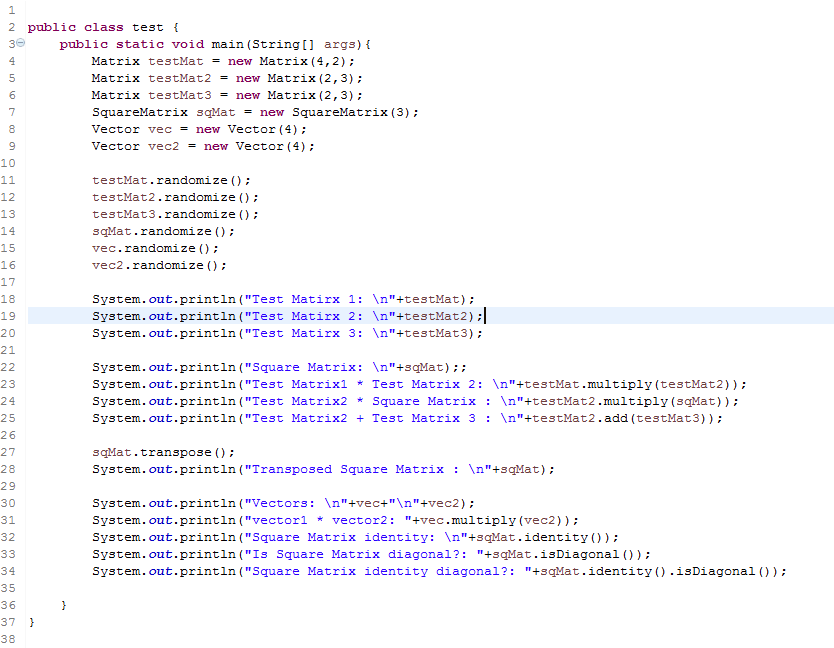
SquareMatrix.java



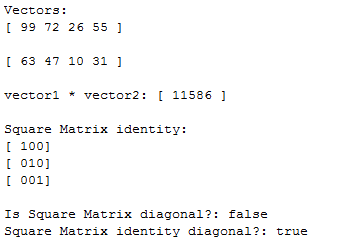
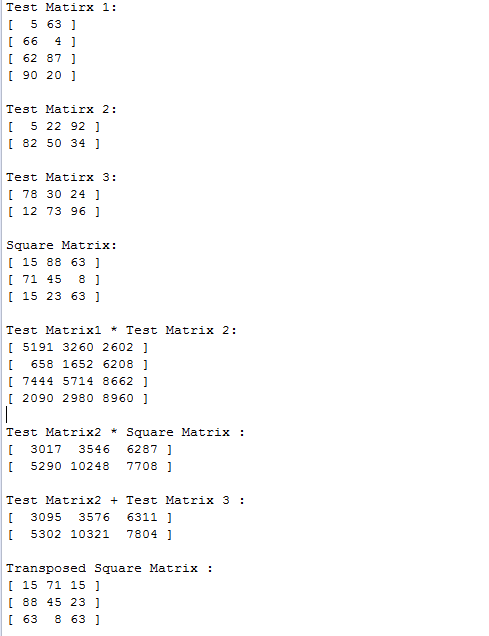
Vector.java



test.java



3. Results of implementation



4. Code Explain

Matrix

1)add : Do add operation between two matrix

2)transpose : Change the matrix to transpose matrix that the rows and columns are exchanged

3)equals : Return true if two matrix are equal completely else return false

SquareMatrix

1)isDiagonal : return true if all members except diagonal members are not 0, else false

2)identity : return the matrix that the diagonal members are 1 and others are 0

Vector

1)multiply : transpose the latter matrix and operate multiply operation.