

+ main(String[])

+ welcomeAndInput() : ArrayList<Integer>

+ multiply(x : Matrix)

+ reduce(x : Matrix)

## Matrix

- row : int

- column : int

- main : double[][]

+ Matrix()

+ Matrix(m : int , n : int)

+ printMatrix()

+ fillMatrix()

+ multiplyMatrix(x : Matrix) : Matrix

+ reduceMatrix()

+ swapRow(firstRow: int, secondRow: int)

+ rowAddition(rowWithBiggerNumber: int,

rowWithSmallerNumber: int)

+ rowRatio(row : int)

+ reShapeRows()

+ getRows(): int

+ getColumns(): int

+ get(n:int, m:int): double

+ set(n : int, m : int, value : double)