

Methods in CodeReuse Class:

`sortAscending(int[] arr)`

Purpose: Sorts an array of integers in ascending order using the bubble sort algorithm.

Usage: Pass an integer array (`int[] arr`) as an argument to sort it in ascending order.

`calculateStats(int[] arr)`

Purpose: Calculates basic statistics of an integer array - maximum value, minimum value, and average.

Usage: Provide an integer array (`int[] arr`) as an argument. Returns a `double[]` containing maximum, minimum, and average values respectively.

`matrixAddition(int[][] matrixA, int[][] matrixB, int rows, int columns)`

Purpose: Performs addition of two matrices.

Usage: Pass two 2D integer arrays (`int[][] matrixA, int[][] matrixB`) along with the number of rows and columns. Returns the resultant matrix as a 2D integer array.

`printMatrix(int[][] matrix)`

Purpose: Prints a 2D integer array as a matrix.

Usage: Provide a 2D integer array (`int[][] matrix`) as an argument to display it as a matrix.

`printArray(int[] arr)`

Purpose: Prints an integer array.

Usage: Pass an integer array (`int[] arr`) as an argument to display its elements.