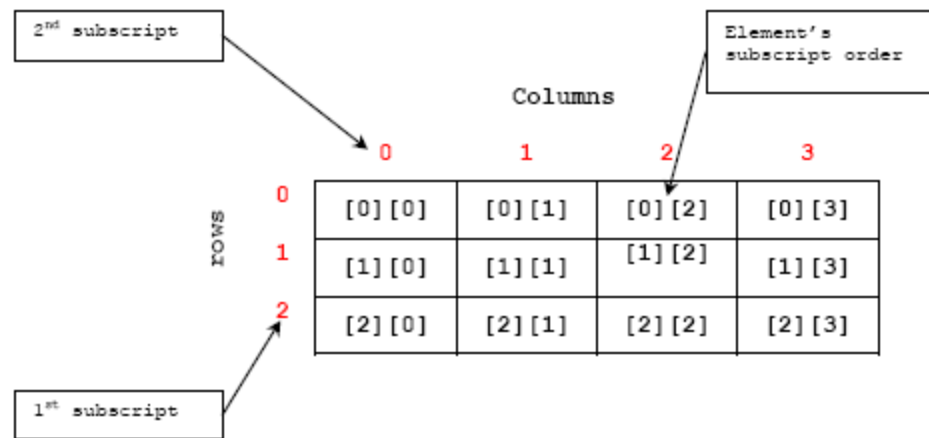# **Arrays**

- **Multidimensional array**: an array of arrays, elements of which are accessed with multiple integer indexes

- Defining a two-dimensional array:

  double[][] temps = new double[3][5];

- Rows & columns:

  Think of two-dimensional array as a grid. The first bracket is the number of rows and the second bracket is the number of columns.

Array Picture

Arrays as parameters

- Pass a two dimensional array similar to an array.

```
public static void findMin (int[] listOfNum) {
    // find the lowest number in array


}


public static void findMin (int[][] grid) {
    // find the lowest number in grid


}
```

Printing Arrays

- Print a two dimensional array similar to an array.

  ```
  -System.out.println (Arrays.toString(temps));

  -System.out.println (Arrays.deepToString(temps));
  ```