

Write a test program that prompts the user to enter a 3×3 matrix of double values and displays a new column-sorted matrix. Here is a sample run:



```
Enter a 3-by-3 matrix row by row:
0.15 0.875 0.375 ↵ Enter
0.55 0.005 0.225 ↵ Enter
0.30 0.12 0.4 ↵ Enter

The column-sorted array is
0.15 0.0050 0.225
0.3 0.12 0.375
0.55 0.875 0.4
```

8.28 (*Strictly identical arrays*) The two-dimensional arrays **m1** and **m2** are *strictly identical* if their corresponding elements are equal. Write a method that returns **true** if **m1** and **m2** are strictly identical, using the following header:

```
public static boolean equals(int[][] m1, int[][] m2)
```

Write a test program that prompts the user to enter two 3×3 arrays of integers and displays whether the two are strictly identical. Here are the sample runs.



```
Enter list1: 51 22 25 6 1 4 24 54 6 ↵ Enter
Enter list2: 51 22 25 6 1 4 24 54 6 ↵ Enter
The two arrays are strictly identical
```



```
Enter list1: 51 25 22 6 1 4 24 54 6 ↵ Enter
Enter list2: 51 22 25 6 1 4 24 54 6 ↵ Enter
The two arrays are not strictly identical
```

8.29 (*Identical arrays*) The two-dimensional arrays **m1** and **m2** are *identical* if they have the same contents. Write a method that returns **true** if **m1** and **m2** are identical, using the following header:

```
public static boolean equals(int[][] m1, int[][] m2)
```

Write a test program that prompts the user to enter two 3×3 arrays of integers and displays whether the two are identical. Here are the sample runs.



```
Enter list1: 51 25 22 6 1 4 24 54 6 ↵ Enter
Enter list2: 51 22 25 6 1 4 24 54 6 ↵ Enter
The two arrays are identical
```



```
Enter list1: 51 5 22 6 1 4 24 54 6 ↵ Enter
Enter list2: 51 22 25 6 1 4 24 54 6 ↵ Enter
The two arrays are not identical
```