**package** searchingalgorithms;

**import** java.util.Arrays;

**public** **class** SelectionSort {

// **TODO** Auto-generated method stub

**public** **static** **void** main(String[] args) {

**int**[] arr = {9,6,3,1,2,4,5};

System.***out***.println("GIVEN ARRAY : " + Arrays.*toString*(arr));

*selectionSort*(arr);

System.***out***.println("SORTED ARRAY : " + Arrays.*toString*(arr));

}

**public** **static** **void** selectionSort(**int**[] array) {

**for** (**int** i = 0; i < array.length; i++) {

**int** minIndex = i;

**for** (**int** j = i + 1; j < array.length; j++) {

**if** (array[j] < array[minIndex]) {

minIndex = j;

}

}

// swap if i and minIndex are at diff positions

**if** (i != minIndex) {

**int** temp = array[i];

array[i] = array[minIndex];

array[minIndex] = temp;

}

}

}

