**package** selection;

**import** java.util.Arrays;

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

**public** **static** **void** sort(**int**[] nums)

{

**for**(**int** currentPlace = 0;currentPlace<nums.length-1;currentPlace++){

**int** smallest = Integer.***MAX\_VALUE***;

**int** smallestAt = currentPlace+1;

**for**(**int** check = currentPlace; check<nums.length;check++){

**if**(nums[check]<smallest){

smallestAt = check;

smallest = nums[check];

}

}

**int** temp = nums[currentPlace];

nums[currentPlace] = nums[smallestAt];

nums[smallestAt] = temp;

}

}

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

{

SelectionSort ob = **new** SelectionSort();

**int** numbers[] = {18,7,9,3,32,81};

System.***out***.println("Original Array:");

System.***out***.println(Arrays.*toString*(numbers));

ob.*sort*(numbers);

System.***out***.println("Sorted Array:");

System.***out***.println(Arrays.*toString*(numbers));

}

}

