**package** searchingalgorithms;

**import** java.util.Arrays;

**public** **class** BubbleSort {

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

**int**[] arr = { 9, 6, 33, 1, 2, 46, 5 };

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

*bubbleSort*(arr);

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

}

**private** **static** **void** bubbleSort(**int**[] arr) {

**for** (**int** i = arr.length - 1; i > 0; i--) {

**for** (**int** j = 0; j < i; j++) {

**if** (arr[j] > arr[j + 1]) {

// swap

**int** temp = arr[j] ;

arr[j] = arr[j + 1];

arr[j + 1] = temp;

}

}

}

}

}

