**package** org.insertionsort;

**public** **class** InsertionSort {

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

**int**[] arr = {9,12,3,21,44};

*insertionSort*(arr);

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

System.***out***.println(arr[i]);

}

}

**public** **static** **void** insertionSort(**int**[] arr){

**int** len = arr.length;

**for**(**int** j=1;j<len;j++){

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

**int** i=j-1;

**while** ((i>-1) && (arr[i]>key)){

arr[i+1]=arr[i];

i--;

}

arr[i+1]=key;

}

}

}