public static <E extends Comparable<E>> void selectionSort(E[] list) {

for(int i=0; i<list.length -1; i++) {

int iSmallest = i;

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

if(list[iSmallest].compareTo((list[j])) > 0 ) {

iSmallest = j;

}

}

E iSwap = list[iSmallest];

list[iSmallest] = list[i];

list[i] = iSwap;

}

}

public <T extends Comparable<T>> void insertionSort(ArrayList<T> data) {

int i, x =0;

T key;

for (i=1;i<data.size();i++){

key= data.get(i);

while (x>=0 && data.get(x).compareTo(key) > 0){

data.set(x+1,data.get(i));

x--;

}

data.set(x+1,key);

}

}