**CODE**

public class InsertionSortExample {

public static void insertionSort(int array[]) {

int n = array.length;

for (int j = 1; j < n; j++) {

int key = array[j];

int i = j-1;

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

array [i+1] = array [i];

i--;

}

array[i+1] = key;

}

}

public static void main(String a[]){

int[] arr1 = {9,14,3,2,43,11,58,22};

System.out.println("Before Insertion Sort");

for(int i:arr1){

System.out.print(i+" ");

}

System.out.println();

insertionSort(arr1);//sorting array using insertion sort

System.out.println("After Insertion Sort");

for(int i:arr1){

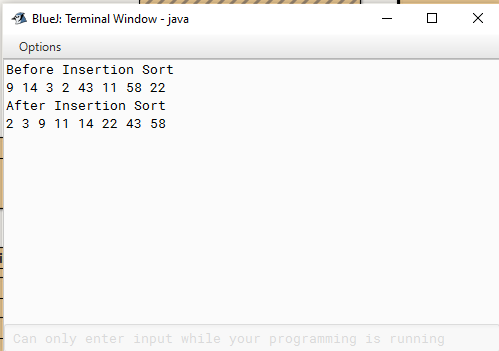
System.out.print(i+" ");

}

}

}

**OUTPUT**

****