1)

Program:-

import java.util.

class Main{

Public static void main (string[] args) {

int arr() = {45, 13, 0, 2, 15};

System.out.println ("unordered data

Arrays.toString 'arr'};

    Boolean is sorted = false;

    while (! issorted) {
       int i = 1;
    issorted = true;
    while   (i< arr.length) {
       if (arr[0] > arr[i] ) {
       i+ += arr[0];
       arr     += arr[0];
          i+  +=
       arr[0] = arr[1];
       arr[i] =+;
          issorted = false;

    }

    ("inorder  ed data
                  int (arr)}