**Assisted Practice: 4.2 Order Statistics**

* Write a program in Java to find the fourth smallest element in an unsorted list

**Writing a program in Java to understand order statistics**

import java.util.Arrays;

import java.util.Collections;

class GFG {

// Function to return k'th smallest

// element in a given array

public static int kthSmallest(Integer[] arr,

int k)

{

// Sort the given array

Arrays.sort(arr);

// Return k'th element in

// the sorted array

return arr[k - 1];

}

// driver program

public static void main(String[] args)

{

Integer arr[] = new Integer[] { 30,40,29,16,13 };

int k = 2;

System.out.print("The smallest element in the list is " + kthSmallest(arr, k));

}

}

**Output:**

The smallest element in the list is 13