**Merge Two Sorted Array with o(1) space**

Approached 1: Insertion sort approached here

* Loop from the first position to the last of the first.
* Take the first element of b array always
* Check the a[i]>b[0]
  + If b[0] is greater then , swap with a[i];
* At the swap , we need to sort out the array b fully

**Approached 2: Gap Algorithm here**

Ceil function gap= (a+b)/2;

**Find the Departure Destination City : 23-05-2022**

**Algorithm**

* First to find out the starting position
  + Make a reverse pair of value as a key and key as a value
  + Now just use a for loop and check whether the reverse pair key is present in dataset or not
  + If it does not contains make it as a starting point.

After getting the starting point do this coding

String to =dataSet.get(startingPoint);

**while**(to!=**null**)

{

System.***out***.print(startingPoint+"->"+to+", ");

startingPoint=to;

to=dataSet.get(to);

}

**Find the Substring count in the string in java :24-05-2022**

**Question :**

**String a=”abcdabcghggabcaabcbcbcabc”**

**Count of abc in the string**

**Algorithm**