I.Q.: Given an array of distinct integer values, Count the number of pairs of integers that have difference K. For example,

Given: [1,7,5,9,2,12,3], K=2

Output: (1,3), (3,5), (5,7), (7,9)

Solution:

Pseudocode: Iterate through array and put each

number in a Hash Table. Then iterate again

and see it aciltk is in hash table. It

so , then that is a pair. Print it.

Code:

int[] q = {1,7,5,9,2,12,3};

int K = 2;

HashMap L Integer, Integer h = new Hash Map ();

for (inti: a) &

h. Pot (i, i);

for (int i : a) {

if(h.get(i+k)!=null) // (i, i+h) is pair System.out. print In("("+ i+", "+li+k)+")=