Started on	Monday, 27 October 2025, 4:16 PM
State	Finished
Completed on	Monday, 27 October 2025, 4:29 PM
Time taken	13 mins 23 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

Question 1 | Correct Mark 1.00 out of 1.00

Given an array A of sorted integers and another non negative integer k, find if there exists 2 indices i and j such that A[j] - A[i] = k, i != j.

Input Format:

First Line n - Number of elements in an array

Next n Lines - N elements in the array

k - Non - Negative Integer

Output Format:

1 - If pair exists

0 - If no pair exists

Explanation for the given Sample Testcase:

YES as 5 - 1 = 4

So Return 1.

For example:

Input	Result
3 1 3 5 4	1

Answer: (penalty regime: 0 %)

```
#include <stdio.h>
int main()
{
    int a;
    scanf("%d",&a);
    int b[a],r;
    for(int i=0;i<a;i++)
    {
        scanf("%d",&r);
        b[i]=r;
    }
    int h,c=0;
    scanf("%d",h);
    for(int i=0;i<a;i++)
    {
        for(int j=i+1;j<a;j++)
        {
            if(b[j]-b[i]==h)
            {
                c+=1;
            }
        }
    }
   if(c!=0){
       printf("1");
   }
   else{
       printf("0");
   }

}
```

	Input	Expected	Got	
✔	3 1 3 5 4	1	1	✔
✔	10 1 4 6 8 12 14 15 20 21 25 1	1	1	✔
✔	10 1 2 3 5 11 14 16 24 28 29 0	0	0	✔
✔	10 0 2 3 7 13 14 15 20 24 25 10	1	1	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.