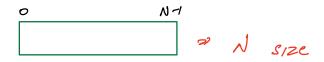
Out of bounds error



S1: Given an array of size N Search for element K Return true if it is present Else return false

$$K: \mathcal{S} \longrightarrow Trve$$
 $K: II \longrightarrow False$

```
boolean search (int AC), int k) &
          int nº A·length;
          for (int i=0; i<n; i++) {
               it (Acij=2k) £
                  return true;
    return false;
    A: 3, 2, 8, 6
    K: 8 -> True
9: Given an array A
    Return the Greg (count) of element
    K in the array
  0 @ @ © A: 3, 4, 1, 3, 7, 3, 3, 8
  K: 3 \longrightarrow 4
      int find Count (int ACJ, int K) &
           int n= Aleyba;
```

```
int cnt = 0;
       tox (int i=0; i=n; i++) {
            if (ACiJ=2K) {
Q: Given an array AET.
    Return tove if dift to any adjacent
   elements is equal to k
             ACiJ-ACi+1J=K
 A: 3 8 4 2 2 9
k: -7 → true
k: -2 => false
      boolean find Diff (int ACD, int K) &
        int nº A·leyth;
        for (int i20; ich-1; i++) {
```

```
if (ACi)- ACi+1) = 2k)&
  seturn false
             Break 10pm
 Horayhist
    int nº 10;
    int arr CJ = new int [n];
  Example: Contact, Music hibrary etc
 ArrayList => Dynamic
Arrayhist < Integer > arr 2 new Arrayhist < Integer > ();
         Class
 int, float, boy, double
                           Integer, Long, Double
                          Float, String
```

Basic Operations

Add

arradd (2) 628. add (-1)

arr. add (10)

Representation

arr:

arr: 2

azz: 2 -1

arr: 2 -1 10

Sop (arr. jet (1)); 2 -1
Sop (arr. jet (0)); 2 2 Sol (arryet (3)); 2 Error

Size

arr. size (); = 3

Upda te

inden now value

3 1

Arr. Set (1, 3);

ar o . set (-1, 4); > 6mor

arr: 2 -1 10

arr: 2 3 10