SUIZ 1 int ACJ? NEW int[S]; SOP(ACSJ+AE6J);

1. 0 2. Error

Last index is 4

Out of bounds error

Qv122 Array of size NWhat is independent of last element? N-1

Given an array ACJ of size N
Search for an element K
Return True if it's present
Else False

0 1 2 3 4 5 6
A: 3 2 8 9 14 10 7

 $K: \mathcal{S} \rightarrow T_{vve}$ $K: I \rightarrow False$

boolean Search (int AL), int K) &

```
int n= A length;
            for(int i20; i<n; i+) {
                  if (Acij=2K){
A: 3286
                    return true;
K: 2
        seturn false;
 Q2 Given an array A of size N
       Return the frequency of element
       K in the array
      A: 3, 4, 1, 3, 7, 3, 3, 8
      K: 3 = 4
         int count (int ACT, int K) 2
              int n2 A length;
              int cnt = 0;
              for Cint i20; icn; i++) &
                 it (ACi): K) {
                   cnt = cnt+1;
```

Q3 Given an array A. Return true if diff the any adjacent elements is equal to K

A CiJ - A Ci+1] 2 k

A : 3 8 4 9 2 9

k: -7 → True

 $K: -2 \longrightarrow False$

boolean find Diff (int ACT, int K) &

int n= A:length;

for Cint i=0; i<n-1; i++) {

 if (ACiJ- ACi+1J=2K) {

 return true;
 }

9

return talse;

2

ACi) - ACi+1] i2 n-1 A[n-1] - A[n] 4 Foror

Break - 10:05 pm

Array hist

Shopping hist Task hist Cart

Array List - Static List Array List - Dynamic List

Syntan

Array List < Class > list = new Array List = Class > ();

Integer, Long, Double, Float, Boolean,

String

int, by, double etc - primitives

Basic Ops

Add

an:

```
arr. add (10);
 arr. add (5);
 arr. add (-1);
 Get
arr.get(1); = 5
arr.get(2); = -1
arrjet (4); 3 Error
arrjet (-2); 4 Gror
  Size
                                  : 10,5,-1
  arr. size(); > S
 Update
                              : 10, 7, -1
 arr. vpdate (1, 7);
                           : 3, .7, -1
 arr. update (0,3);
arr. update (4,1); 2 Gror
```