int 
$$CJ$$
  $A^2$  new int  $C6J$ ;

 $Sol(ACS) + AC6J)$ ;

Out of bounds

 $Sol(ACS) > 0$ 
 $Sol(ACS) > 0$ 

1181: Given an array ACI of size N

Search for an element K

Return True if it is present else False

1 2 3 9 5 6

A: 3, 2, 8, 9, 14, 10, 7

K: 8 => True K: 11 => False K: 14 => True

boolean find K (int CJA, int K)  $\mathcal{E}$ for Cint  $i \ge 0$ ;  $i < A \cdot leyth$ ; i++)  $\mathcal{E}$   $i+(ACiJ \ge 2K)\mathcal{E}$ 

```
A: [3, 2, 8, 9, 14, 19, 7]
11 Q2: Given an array A. Return the freq of element k in the array.
  A: 3, 4, 1, 3, 7, 3, 3, 8
  K: 3 K: 0
 Ans: 4 Ans: 0
         int find Freq (int ACI, int K) &
              int cut = 0;
             for (int i= 0; i< A-leyth; i++) {
                 if (ACiJ=2K) Z
```

```
11 Q3: Given an arr A. Return true
      if diff the any adjacent elements
       is equal to K.
     index i 22 Adjacent are i-1 & i+1
     arr[i] - arr[i+1] = k for any inden i
         01234
    A: 2, 8, 4, 2, 9
    K: -7 2) True
    k: -2 2) False
    boolean find DiffK (int ACJ, int K) &
        for Cint i= 0; i < A. leyth-1; i++) {
            if (Ati) - ACi+1)22 K) {
                  return true;
  A: [3,8,4,2,9]
   120
         ACOJ-ACIJ = 3-8 = -5 => X
          ACIJ-4C2) 2 8-4 2 7 3 X
   i 2 |
```

Break - 10:15

Array Lists

int [] 4 = new int [n];

- Recommendations
- Cart
- Orders on swifty/zomato
- Reviews

Array = Static

Array List > Dynamic

Syntax

int ACJ2 new int [n];

Array List < Integer > arr = new Array List < Integer >();

Intger, Long, Double, Float, String

Basic Operations

```
Add
                                        : 1, -2 = 2
: 1, -2, 10 = 3
   arr. add(1);
 arr. add (-2);
arr. add (10);
Get
                                        : 1, -2, 10
arr.get(1); => -2
arr.get(0); => 1
arr.get(3); => Error
                                    : 1, -2, 10
 Size
  arr. size(); => 3
                                    : 1, -2, 10
Set
arr. set (1, -4); 1, -4, 10 arr. set (0, 3); 3, -4, 10
 arr. set (3, 4); => Error
```

Code: https://www.interviewbit.com/snippet/6be5c679526370bf08e8/