Arrays -> simplest Data structure int arx[] = new int[5] sequential collection of int [] arr = new int [5]

datatife name size of away same type of data 10 -1 0 1 2 . _ - - 8 9 size = N 0,1,2,---,n-1 3, 4, 1, 5, 1 Omorgh Amon 3 horat Start = 100+2 +0 H100 H101 H102

Q Print sum of allay 21,2,3,4,53 N=5 Jum= arr [0] + arr [1] + arr [2] +_ __ - - - + all [n-1] First integer input is N nert is N integers which is the array itself 3 10 -6 5 int N= Scn. nlnt Int () int [] are = new int[N] for(i=0 ; i<N ; i++)C ars[i] = scn. nent Int() int sum = 0 for (i=0; i < N; i++) C sum + = arr [i] Print (sum)

9 Print man elem of array N=5 (3, 4, 1, 4, 13

int biggest = 0

fol(i=0;i<n;i++)

y(ars[i]>biggest)

biggest = ars[i]

y

-3 -7 -2 -10 -1

int biggest = ars [0]

for(i=0;i<n;i++) {

 if (ars[i] > biggest)

 biggest = arr[i]

y

Q Print min elem of array N=5 C3, 4, 1, 4, 13

int smallest = arr [0]

for (i=0; i < n; i++) (

if (arr [i] < smallest)

small est = arr [i]

Of Check if integer R is present in away or not

(1,2,3,4,53

R = 2

true

<1,2,3,4,5 y

R = 20

folse

for (i=0) i < n j i++ j < 0if (au(i) = -B) Creturn twe

y

return false

Return frequency of k in array C1, 2, 3, 4, 5, 13 k=1 ans =2

int frequency (int N, int arrl), int R) C

int Count = O

for(i=0;i<n;i++) C

if(arr(i) = = R) C

Count ++

y

return count

Return felequency allay for the input array.

(1,1,2,1,3,1,33)ans = (4,4,1,4,2,4,23)

int[] freq_away (int arr ()) {

int n = arr. length
int () any = new int (n)

for (i=0;i(n;i++){

ans [i] = flequency (n, arr, arr[i])

return ans

I check if allay is strictly increasing of not (1,2,3,4,59 true 2,7,5,1,33 false Idea: each element of the away should be bigger than previous elem aeli) zaelo) arlz] zarli] al [n-1] > al [n-2] boolean increasing (int [] arr) & int n= arr, length

for(i=1;i<n;i+t)<
if (ar[i]) ar[i-i])

Continue

else

return false return true

$$sum=0$$

$$for(i=0)i(n)i+()(1)$$

$$if(i-1)=0$$

$$sum+=au(i)$$

$$else$$

$$sum-=au(i)$$