Ol Removes Duplicates from sorted Array.

approach that (1) Take a variable i as O;

2 Use a for loop by using a variable

i from 1 to length of the array

(3) If arrali] = arrali], The array

update arrali] = arrali],

(4) After completion of loop return it,
i.e. size of array of unique elements

for (int j=1; j<n; j++)

ig(282[i]!=282[j])?

i++;

agr[i]=282[j]; return i+1;

Parent's Sign.

Teacher Sign.

Time is what we want most, but what we use worst.

Day..... of Largest Element in Array. int max Value = are [0]; for (int i=0; i<n; i++) {

if (arti]>maxValue) {

maxValue = arrti]; return max Value; Return Second largest element. int print 2 largest (int ser [], int n) (sort (are, are+n); int Second = 0; forlint i = n-2; i>=0, i--){

y[axi[i]!= 24[n-1][Sports Herating second = are[i]; return second; return -) Teacher Sign. Parent's Sign.

The key to everything is patience.

Day..... Check if array is sorted. bool array Sorted Or Not (int are [], int n)[Mode here. if (n==1) [return true; variable = int c=D; int marcz arrlo; if (c==n-)[
return true; else {
2 return false;
3 Parent's Sign. Teacher Sign.

Life is a promise, fulfill it.

25 Duick Left Rotation.	
Approach rotate Let Array be broken in where $A = 200 \cdot 10^{-1} \cdot $	A\$B
3 " B toget ACr)BCr) 11 all toget BA.	
Code void reverse (int 2021), inti, intj) { while (i< j) {	*
Date	
public: void left Rotate Cintage [], int K, into).	
int d= K%n; if (d=0) { return;	
reverse (are, D, n-1) //all reverse (are, D, n-d-1) // Alx) Teacher Sign. reverse (are, D, n-d-1) // Alx) reverse (are, D, n-d-1) // Blx)	
Teacher Sign. Yevese (24, N-d, N-T) 11 B(r) Make each day your masterpiece.	

Datemmen

Move all zeroes to end of Beray. Approach: 1) Start traversing from the first occurrence indesc of zero. 3) Take & variables (i, i) - "i will be first occcurance of zero and i is it! if element at i index is not Zero then surap elements at if the element sat junder is zero, men only increment j. 11 finding first zero occurance. int K= 0; while (K(n) 2 if (ser[k)==0){
break;} K2KH; } Il finding 3 eroes & Immediate non 3ero etements & suapping them. int i=k, j=k+1; Parent's Sign.

if (all[i]!= €) [int temp = ais[i]; are[i] = are[i]; are[j] = temp; 3 20++; Find Union of two Unsorted Arrays. Using Set ass [] = [1,2,3,4,5, 60, 1, 9,9,10] 2922[] = { 2,3,4,4,5,11,123 are = are 1 + are 2 = [1,2,3,4,5,6,7,8,9,10,2 3, 4, 4, 5, 11, 123 Union = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 125 vector (int) and Union (intarel], intares[], intares[], intares[] Set (int) s; Used as. vector (int) Union; For (int. i=D; i<n; i+D) Jorlinti=Dick, S. insert (serlis) Teacher Sign. for (int i=0; i/n; Parent's Sign.
The key to everythoons partence for (sutoliti. S Union. push-back(it); return Union;

US Missing Number, (Amszon) Approach Eg A[]. [0,1,2,3,5) [1 to 5] Sum of Array = n(n+1) = 15 Sun of Acray = 0+1+2+3+5 * Total Sum = leg Num + Sum of Ace. int Sumber = 0; for (inti=0; i/N-1; i+)? pri/num.sizec) sum ARR+ = A [i] int EnpSum= (n*(n+1)/2; int RegNum= & ExpSum-SumArr.; return RegNum;

Parent's Sign.

Teacher Sign.

Maximum number of consecutive 1's. proach Egonia 0, 1, 1, 1, 0, 0, 11, 1, 1] 1) Take "cut" point a iterate it then 3 When nums[i] == 1, cut++ 3 bear Initialize "marii" variable with O Ta mase (masici, ent) = masici to find maximum number of consecutives for (int 1=0; i< nums Size(); i++) [
if (nums[i] == 1)[marci = max(marci, cnt); Parent's Sign. Teacher Sign.

The only way to have a friend is to be done.

QUO Reverse an Breay (S pointer approach) (a) $\frac{1}{3}$, $\frac{3}{4}$, $\frac{3}{5}$, $\frac{1}{1}$, $\frac{3}{7}$, $\frac{1}{3}$, $\frac{1}{1}$, $\frac{3}{1}$, $\frac{7}{1}$, $\frac{11}{1}$, $\frac{3}{1}$, $\frac{7}{1}$, $\frac{11}{1}$ int s = 0; int e= v. sige()-1 while (s<=e) } swap. (VLS), V[e]); · return V; Approach 200187 8. ausi]= 21,3,5,7,93 ausi]= 22,4,63 Parent's Sign. put i first men j Teacher Sign. bare: while (int) The beginning of wisdom is silence. The second step is listening.

Coole int i=0, j=0; k=0; while (i<n & j<m) {
 if (au1[i] < au1[i]) {
 ulli] < au2[k]) {
 ulli] < au3[k] < au3[k]) {
 ulli] < au3[k] < au3[k ar3[k]= ar1[i]; else ; 1++;3 282 [K] z ars [j]; K++;

// copy first array & element to while (izn)? 2825[3] = 2821[i];

K++; 1++;

11 copy Kido second seay & remaining element.

while (j<m) } 28/2[k) = ser2[j];

Teacher Sign.

Parent's Sign.

i ++; Make each day your masterpiece.