Kemove Element

Greven an enteger away name and Enteger val remove all occurrences of val Pr nums Propace The order of the Elements may be changed. Then return the number of elements on nums which are not equal to val

conspolar the number of elements the number which are not equal to Wal toe k, to get Accepted

you need to do the following things!

change the averay num such that the that k elements of nums contain the elements which are not equal to vali the remaining elements of nums are not important as well as the size of nums.

Return K.

Example:

Input : num = [3,2,2,3] val=3 O/P: & num=[2,2,-,-]

Explanation: your function should return 19=2 with the first two elements of num being 2 9+ does not matter what you leave beyond the returned k ( hence they are under Scores)

```
public Pat removeElement ( Pat [ ] nums, int val) ;
Pat Pad=0;
 for (9nt P=0; P=nums. length; P++) }
    95 ( nums[ P] 1 = val ) 8
         nums [ and ++] = nums [P];
  I return ind;
 33
  nums= [3, 2, 2, 3] Val =3.
  and =0.
  P=0 nums.length = 4.
  0 44 /
    noms 2PT! = val
                     and=0
      nums[0] = 3
        3=3 4.
 P=1 nums.length=L
  1240.
       nums[9] = val
       num3817 = 3
           2=3 100
     nums [Prid +t] = nums[i];
           Rnd=1
        numa length = 4
   2441
         nong?] 1-val
          nums [2] = 3
             8=3 1
        nums pand ++ ] = nums[i];
             Pnd = 2.
```

6=3 3240 noms, length=4 numsley = VQl noms (3) = 3 3=3X Skip

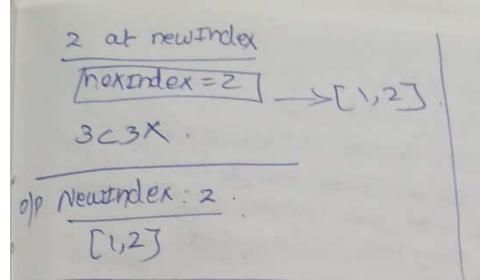
At last and value & 2. (9rd = 2/

```
Proport Pava. VTP1. Arrays:
public class RemoveElementExamples
   public static Pnt removeElement-(Pnt[]nums,
                                     9ht val) }
         Pnt Pndex = 0;
     for (Ant9=0) PZ nums.length; 9++) {
            PS (nums [Ps: =val) f
               nums [Andex ++] = nums [1]
      return andex;
 public static void main (string [] angs)
 Pattinums = 93, 2, 2, 33;
 Port val = 3;
 Put newlength = removeElement(nums, val);
  system. out. perintin ("new Lenth;" + new Lenth);
  system. out. porintln ("modified array: " +
                Array. tostrangenray. wpyof inums,
                                         newlength )))
```

Remove Duplicates form sorted array Gren a sorted averay nums, remove the Diputates Proplace such that each element appears only one once and return the new length Do not allocate Extra space for another array, you must do this by modifying the Priput averay Anglace with Oct) Extra memory. Example 1: Input: nums = [1,1,2] output: 2, nums =[1,2] Explanation: your function should return length = 2, with the direct two elements of noms Berng land a respectively. It doesn't matter what you leave Beyond the Returned length class solution & public pat remove Duplecates (Pattinums) { P& (nums. length ==0) return o; Ant new Index =1; Jor (Pot P=1; PZ nums.length; P++) & 95 (nums [P-1] = num s[P]) & numainewindex] = numsig; new tradex +tj

return newIndex;

```
public static vord main (string 1 Jargs)?
     Pot pour series = { 1,1,2,2,3,3,4,5,5}; > [1,1,2]
    Solution Sol = new solution ();
    Por newhergth = Sol. remove Duplecates Couns;
    system.out. perintin ("Nowhength: "+ newhength);
system.out. perintin ("Modispod array: ");
    for (Ant P=0; Peneukength; P++) {
         System. out. purint (num [+]+ "1");
 nums=[1,1,2]
 numa . Length = 3
  3== 0X
 1 = xabril cuar
P=1 12 noms length
 1237
 4 nwell-121 = would
   Daws[0] 1=1
1==1 11=1X
 P=8
     26301
 num 8 [2-1] = num [2]
      Launa [1] = Lowes
          11-21
 nums [newIndex] = numper;
```



Given pin Poteger away nums Sorted por Non-decreasing order, Remove some duplicates In-place such that Each unrique Element Appears At most Turce. The Relative order of the Elements should kept the same.

Since Pt 98 Ampassible to charge the Length of the Armay an some languages, you must postead have the Result Be placed An the First part of the array nums.

More formally. Af there are k elements after removing the duplecates, then the strat k elements of nums should holds the final result. It does not matter what you leave beyond the first k element

Result on the direct k slots of nums.

```
Example 1:
    116:00W=61,71,5153)
    016:22 vaux=[1)1355337.-7
Explanation: your function should return k=5 with
the strict stre elements of nums being 1,
 Pt does not matter what you leave Beyond the
 Returned & (Hence they are underscores)
Import Pava. Util. ATTays;
class solutions
  public static word main (String [Jongs) ?
    Put nums[3= {1,1, 1,2,2,33;
    Put newlength = remove tupulcates chums);
     System.out.porintln ("New Length" + new Length );
     System.out. porintly ( "modested privay: "+
            Arrays. tostrang. (Array. copyofinum, now Length)
   PUBLIC Static ant remove Duplicates (Ant [] noms) &
         Port P=0;
          gar centu: unua);
          98 (PC2 110) = nums[9-2])$
              nums[7++]=n;
         return P;
```

```
9=0
(ant noma)
  DEI
 055-03 5wn2 [0-5]
   11=10ms 6-3
Update 11=2-7
   C++3 8000
    nums[1] = n;
       ハンピリーーノーノーノー
9=1
( PUT U: UNUS)
  D=#
122/12/11 noms[1-2]
  [1] smun 111t
        11111
 update
    THAS SUND
   runs [1] = n;
     ハーンモリ, リー,ー,ー)ー」
 P=2
( Pata; nums)
        1111 nom[1-2]
        11 11 num EIJ
         11111
 upclate
     hums[10++]
     Skip this
```

9-2 ( PRE n: nums) n=2 2 CZX 1/2 ! = num[2-2] 21=90] 21=10 nums[2++]=n num & (2++)=n hums [3] = n 2=0 n->[1,1,2,-,-) n=2 P=3 362 |12 |= nums (3-2) 21 = NUME 7] 21=13 21=15 NUMSCP++J=n hums[3++]=h num (4) = h A->[1,112,2,-,-) n = 3 P=4 42211 31 = nums (4-2) 31 = nums[2] 3!=[J 31=100 nums [P++]=n nums[4++]=n

-> E191,2123,-)