

#program for removing the duplicate element in an array

Input :

```
hello.c    C addnumpointer.c    C findlargestinarray.c    C removeduplicate.c X
removeduplicate.c > main()
1  #include<stdio.h>
2  int main()
3  {
4      int n;
5      printf("enter the number of elements you want:");
6      scanf("%d" , &n);
7      int arr[n];
8      int *ptr=&arr[0];
9      int i,j,k,l;
10     for (int l = 0; l < n; l++)
11     {
12         printf("enter the element %d\n", l+1);
13         scanf("%d" , ptr+l);
14     }
15     for (int i = 0; i < n -1; i++)
16     {
17         for (int j = i + 1; j < n; j++)
18         {
19             if (*(ptr+i)==*(ptr+j))
20             {
21                 for (int k = j; k < n; k++)
22                 {
23                     *(ptr+k)=*(ptr+k+1);
24                 }
25                 n--;
26                 j--;
27             }
28         }
29     }
30     printf("the array is :");
31     for (int k = 0; k < n; k++)
32     {
33         printf("%d\n",*(ptr+k));
34     }
35     return 0;
36 }
```

Output :

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  powershell + - [] ^ x

PS C:\Users\hemil\OneDrive\Desktop\C_practice> ./a.exe
enter the number of elements you want:4
enter the element 1  4
enter the element 2  7
enter the element 3  8
enter the element 4  4
the array is :4
7
8
PS C:\Users\hemil\OneDrive\Desktop\C_practice> gcc removeduplicate.c
```