TO REMOVE THE UNIQE PROGRAM

ALGORITHM:

STEP 1: Start the program

STEP 2: Print the define the number of an element in an array and using scanf %d is integer

STEP 3: using for loop the start value and end value and increment.

STEP 4: And using if condition to use one condition

STEP 5: Print Array elements after deletion of the duplicate elements

STEP 6: finally return 0.

COMMANDS:

for ( i = 0; i < size; i++) \\ use for loop to enter the elements one by one in an array .

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

{

for ( j = i + 1; j < size; j++) \\use nested for loop to find the duplicate elements in array

for ( k = j; k < size - 1; k++)\\delete the current position of the duplicate element

PROGRAM:

#include <stdio.h>

#include <conio.h>

int main ()

{

int arr[20], i, j, k, size;

printf (" Define the number of elements in an array: ");

scanf (" %d", &size);

printf (" \n Enter %d elements of an array: \n ", size);

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

{

scanf (" %d", &arr[i]);

}

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

{

for ( j = i + 1; j < size; j++)

{

if ( arr[i] == arr[j])

{

for ( k = j; k < size - 1; k++)

{

arr[k] = arr [k + 1];

}

size--;

j--;

}

}

}

printf (" \n Array elements after deletion of the duplicate elements: ");

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

{

printf (" %d \t", arr[i]);

}

return 0;

}

OUTPUT:

Define the number of elements in an array: 5

Enter 5 elements of an array:

1 1 3 6 8

Array elements after deletion of the duplicate elements: 1 3 6 8