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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Problem Solving Through Programming In C (course)

Click to register for Certification exam (https://examform.nptel.ac.in/2023_10/exam_form/dashboard)

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Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

# Week 6 : Programming Assignment 4

**Due on 2023-09-07, 23:59 IST**

Write a C Program to delete duplicate elements from an array of integers.

**Your last recorded submission was on 2023-08-30, 07:27 IST**

Select the Language for this assignment. C

```
#include<stdio.h>

int main()
{
   int array[50], i, size;

   scanf("%d", &size); /*Accepts the size of array from test case data */

   for (i = 0; i < size; i++)
   scanf("%d", &array[i]); /* Read the array elements from the test case


int a[50],j=0;
for(i=0;i<size;i++)
{
  int flag=0;
  for(int k=0;k<=j;k++)
  {
    if(a[k]==array[i])
    {
      flag=1;
      break;
    }
  }
  if(flag==0)
    a[j++]=array[i];
}
for(int k=0;k<j;k++)
  array[k]=a[k];
size=j;




for (i = 0; i < size; i++) {
      printf("%d\n", array[i]);
   }
```

```
3
4 }
```

You may submit any number of times before the due date. The final submission will be considered for grading.

**This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.**

Save as Draft | Compile & Run | Submit | Reset

**Sample Test Cases**

| | Input | Output |
|---|---|---|
| Test Case 1 | 5<br>50<br>60<br>30<br>20<br>30 | 50<br>60<br>30<br>20 |
| Test Case 2 | 6<br>40<br>20<br>50<br>30<br>20<br>10 | 40<br>20<br>50<br>30<br>10 |