X

Week 6 : Programming Assignment 3

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

Write a C program to read Two One Dimensional Arrays of same data type (integer type) and merge them into another One Dimensional Array of same type.

Your last recorded submission was on 2023-08-30, 07:22 IST

Select the Language for this assignment. C

```c
#include<stdio.h>
int main()
{
   int arr1[20], arr2[20], array_new[40], n1, n2, size, i;
 /*n1 size of first array (i.e. arr1[]), n2 size of second array(i.e. arr
   size is the total size of the new array (array_new[]) */

   scanf("%d", &n1); //Get the size of first array from test data and stc

   for (i = 0; i < n1; i++)
      scanf("%d", &arr1[i]); //Accepts the values for first array

   scanf("%d", &n2); //Get the size of second array from test data and st

   for (i = 0; i < n2; i++)
      scanf("%d", &arr2[i]); //Accepts the values for second array

//Marge two arrays


size=n1+n2;
for(i=0;i<n1;i++)
  array_new[i]=arr1[i];
for(int j=0;j<n2;j++)
  array_new[j+i]=arr2[j];
```

```
0 //Printing after merging
1
2 for (i = 0; i < size; i++) {
3       printf("%d\n", array_new[i]);
4    }
5
6 }
```

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	3 10 20 30 4 40 50 60 70	10 20 30 40 50 60 70
Test Case 2	4 9 7 6 5 2 30 50	9 7 6 5 30 50