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

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If already registered, click to check your payment status

Course outline

- How does an NPTEL online course work? ()
- Week 0 : ()
- Week 1 ()
- Week 2 ()
- Week 3 ()
- Week 4 ()
- Week 5 ()

Week 10 : Programming Assignment 03

Due on 2023-10-05, 23:59 IST

Write a C program to sort a given 1D array using pointer in ascending order.

Your last recorded submission was on 2023-10-05, 09:42 IST

Select the Language for this assignment. C

```
#include <stdio.h>
int main()
{
    int a[100],i, n;
    scanf("%d",&n);  //Number of elements of the array is taken from the

   for (i=0; i<n; i++)
    {
        scanf("%d",a+i); // Input the array elements
    }


int j,t;
for(i=0;i<(n-1);i++)
{
  for(j=i+1;j<n;j++)
{
    if(*(a+i)>*(a+j))
    {
      t=*(a+i);
      *(a+i)=*(a+j);
        *(a+j)=t;
    }
}
}









//   Printing sorted array in ascending order
    for (i=0; i<n; i++)
```

Week 6 ()
Week 7 ()
Week 8 ()
Week 9 ()
Week 10 ()
Lecture 46: Bubble Sort (Contd.) (unit?unit=93&lesson=94)
Lecture 47: Use of Pointer in Function : Context Bubble Sort (unit?unit=93&lesson=95)
Lecture 48: Arrays at Strings (unit?unit=93&lesson=96)
Lecture 49: Data Representation (unit?unit=93&lesson=97)
Lecture 50: Bisection Method (unit?unit=93&lesson=98)
Quiz: Week 10 : Assignment 10 (assessment?name=267)
Week 10 : Programming Assignment 01 (/noc23_cs121/progassignm

```
2     {
3         printf("%d\n",*(a+i));
4     }
5     return 0;
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	5 20 40 50 30 10	10 20 30 40 50

ent?
name=268)

- Week 10 : Programming Assignment 02 (/noc23_cs121/progassignment?name=269)
- **Week 10 : Programming Assignment 03 (/noc23_cs121/progassignment?name=270)**
- Week 10 : Programming Assignment 04 (/noc23_cs121/progassignment?name=271)
- Feedback Form of Week 10 (unit?unit=93&lesson=272)

Week 11 ()

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