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



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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 10 : Programming Assignment 04

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

Write a C program to sort a 1D array using pointer by applying Bubble sort technique.

Your last recorded submission was on 2023-10-05, 09:43 IST

Select the Language for this assignment. C ▾

```

1 #include<stdio.h>
2 void sort(int *a, int n);
3 int main()
4 {
5     int a[20];
6     int n,i;
7     scanf("%d",&n); // Enter number of elements to sort is taken from tes
8
9     for(i=0;i<n;i++)
10    {
11        scanf("%d",&a[i]); // The elements of the array is taken from the
12    }
13
14    sort(a, n); // Calling the sorting function
15
16    //Printing the sorted array
17    for(i=0;i<n;i++)
18    {
19        printf("%d\n",a[i]);
20    }
21    return 0;
22 }

```

```

23 void sort(int *a,int n)
24 {
25     int i,t,j;
26     for(i=1;i<n;i++)
27     {
28         for(j=0;j<n-i;j++)
29         {
30             if(*(a+j)>*(a+j+1))
31             {
32                 t=*(a+j);
33                 *(a+j)=*(a+j+1);
34                 *(a+j+1)=t;

```

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

35
36
37
38

}
}
}
}

}

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	6 -10 90 30 20 -100 50	-100 -10 20 30 50 90

ent?
name=268)

● Week 10 :
Programming
Assignment
02
(/noc23_cs121
/progassignment?
ent?
name=269)

● Week 10 :
Programming
Assignment
03
(/noc23_cs121
/progassignment?
ent?
name=270)

● **Week 10 :
Programmin
g Assignment
04
(/noc23_cs12
1/progassignm
ent?
name=271)**

○ Feedback
Form of Week
10 (unit?
unit=93&lesso
n=272)

Week 11 ()

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