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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 ()

☐ Lecture 16: IF-
ELSE

Week 4 : Programming Assignment 1

Due on 2023-08-24, 23:59 IST

Write a C Program to Find the Smallest Number among Three Numbers (integer values) using Nested IF-Else statement.

**Private Test cases
used for evaluation**

Test Case 1

Input

90 -9
-80

Expected Output

-80 is the
smallest number.

Actual Output

-80 is the
smallest number.

Status

Passed

Test Case 2

100
200 0

0 is the
smallest number.

0 is the smallest
number.

Passed

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2023-08-23, 22:35 IST

Your last recorded submission was :

```
1 #include <stdio.h>
2 int main()
3 {
4     int n1, n2, n3;
5     scanf("%d %d %d", &n1, &n2, &n3); /* where three number are read from the
6
7     /* Complete the program to get the desired output */
8     /* Only use the printf statement given below to exactly match your output
9     with the output cases. Change the variable n1 as required.
10
11     printf("%d is the smallest number.", n1);    //Copy and paste this printf sta
12
13     */
14     int small;
15     if(n1<n2)
16     {
17         if(n2<n3)
```

Statement
(Contd.) (unit?
unit=44&lesso
n=45)

- Lecture 17:
Switch
statement
(unit?
unit=44&lesso
n=46)
- Lecture 18:
Switch
Statement
(Contd.) and
Introduction
to Loops
(unit?
unit=44&lesso
n=47)

- Lecture 19:
Implementing
Repetitions
(Loops) (unit?
unit=44&lesso
n=48)

- Lecture 20:
Implementati
on of Loops
with for
Statement
(Contd.) (unit?
unit=44&lesso
n=49)

- Quiz: Week 4 :
Assignment 4
(assessment?
name=230)

- **Week 4 :
Programmin
g Assignment
1
(/noc23_cs12
1/progassign
ment?
name=231)**

- Week 4 :
Programming
Assignment 2
(/noc23_cs121
/progassignm
ent?
name=232)

```

18         small = n1;
19     else
20     {
21         if(n1<n3)
22             small = n2;
23         else
24             small = n3;
25     }
26 }
27 else
28 {
29     if(n2<n3)
30         small = n2;
31     else
32         small = n3;
33 }
34 printf("%d is the smallest number.", small);
35 return 0;
36 }
37

```

Sample solutions (Provided by instructor)

```

1 #include <stdio.h>
2 int main()
3 {
4     int n1, n2, n3;
5     scanf("%d %d %d", &n1, &n2, &n3); /* where three number are read from the
6
7     /* Complete the program to get the desired output */
8     /* Only use the printf statement given below to exactly match your output
9     with the output cases. Change the variable n1 as required.
10
11     printf("%d is the smallest number.", n1);    //Copy and paste this printf sta
12
13     */
14     if (n1<n2)
15     {
16         if(n1<n3)
17             printf("%d is the smallest number.", n1);
18         else
19             printf("%d is the smallest number.", n3);
20     }
21     else
22     {
23         if(n2<n3)
24             printf("%d is the smallest number.", n2);
25         else
26             printf("%d is the smallest number.", n3);
27     }
28 }

```

☒ Week 4 :
Programming
Assignment 3
(/noc23_cs121
/progassignment?
name=233)

☒ Week 4 :
Programming
Assignment 4
(/noc23_cs121
/progassignment?
name=234)

☐ Feedback
Form of Week
4 (unit?
unit=44&lesso
n=235)

☐ Assignment 4
Solution (unit?
unit=44&lesso
n=51)

Week 5 ()

Week 6 ()

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