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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	Input	Expected Output	Actual Output	Status
Test Case 1	90 -9 -80	-80 is the smallest number.	-80 is the smallest number.	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 :

```
#include <stdio.h>
int main()
{
    int n1, n2, n3;
    scanf("%d %d %d", &n1, &n2, &n3); /* where three number are read from the

/* Complete the program to get the desired output */
/* Only use the printf statement given below to exactly match your output
with the output cases. Change the variable n1 as required.

printf("%d is the smallest number.", n1);    //Copy and paste this printf sta

*/
    int small;
if(n1<n2)
    {
        if(n2<n3)
```

```
            small = n1;
        else
        {
            if(n1<n3)
                small = n2;
            else
                small = n3;
        }
    }
    else
    {
        if(n2<n3)
            small = n2;
        else
            small = n3;
    }
    printf("%d is the smallest number.", small);
    return 0;
}
```

Sample solutions (Provided by instructor)

```
#include <stdio.h>
int main()
{
    int n1, n2, n3;
    scanf("%d %d %d", &n1, &n2, &n3); /* where three number are read from the

/* Complete the program to get the desired output */
/* Only use the printf statement given below to exactly match your output
with the output cases. Change the variable n1 as required.

printf("%d is the smallest number.", n1);    //Copy and paste this printf sta

*/
if (n1<n2)
    {
        if(n1<n3)
            printf("%d is the smallest number.", n1);
        else
            printf("%d is the smallest number.", n3);
    }
    else
    {
        if(n2<n3)
            printf("%d is the smallest number.", n2);
        else
            printf("%d is the smallest number.", n3);
    }
}
```

- 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&lesson=235)
- Assignment 4 Solution (unit?unit=44&lesson=51)

Week 5 ()

Week 6 ()

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