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

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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, 20:04 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 if(n1<n2)
15 {
16   if(n1<n3)
17   {
```

Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

```
18        printf("%d is the smallest number.",n1);
19    }
20    else
21    {
22        printf("%d is the smallest number.",n3);
23    }
24 }
25 else
26 {
27    if(n2<n3)
28    {
29        printf("%d is the smallest number.",n2);
30    }
31    else
32    {
33        printf("%d is the smallest number.",n3);
34    }
35  }
36 return 0;
37 }
38
```

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 }
```