Week-04 Program-01

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

Sample Test Cases

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Case 1</td>
<td>90 -19 -28</td>
</tr>
<tr>
<td></td>
<td>-28 is the smallest number.</td>
</tr>
<tr>
<td>Test Case 2</td>
<td>40 30 60</td>
</tr>
<tr>
<td></td>
<td>30 is the smallest number.</td>
</tr>
<tr>
<td>Test Case 3</td>
<td>45 70 10</td>
</tr>
<tr>
<td></td>
<td>10 is the smallest number.</td>
</tr>
<tr>
<td>Test Case 4</td>
<td>60 120 190</td>
</tr>
<tr>
<td></td>
<td>60 is the smallest number.</td>
</tr>
</tbody>
</table>

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```c
#include <stdio.h>

int main()
{
    int n1, n2, n3;
    scanf("%d %d %d", &n1, &n2, &n3); /* where three number are read from stdin */
    /* 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.\n", n1); //Copy and paste this printf statement below
    if (n1<n2) //Add this if condition to your program
    return 0;
}
```

Due on 2020-02-27, 23:59 IST
Problem solving through Programming In C - Course

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**Week 4**

**Program-01**

(https://onlinecourses.nptel.ac.in/noc20_cs06/progassignment?name=109)

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**Program-02**

(https://onlinecourses.nptel.ac.in/noc20_cs06/progassignment?name=110)

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**Program-03**

(https://onlinecourses.nptel.ac.in/noc20_cs06/progassignment?name=111)

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**Program-04**

(https://onlinecourses.nptel.ac.in/noc20_cs06/progassignment?name=112)

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**Program-05**

(https://onlinecourses.nptel.ac.in/noc20_cs06/progassignment?name=113)

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**Feedback For Week 4**

(https://onlinecourses.nptel.ac.in/noc20_cs06/progassignment?name=115)

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```c
16 17
18 19
20 21
22 23
24 25
26 27
28 29
30

{  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);
}
```

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