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

Week 3 : Programming Assignment 4

Due on 2023-08-17, 23:59 IST

Write a C Program to find the Largest Number (integer) among Three Numbers (integers) using IF and Logical && operator.

[Week 3 programming assignments will not be considered for final evaluation]

Private Test cases used for evaluation

	Input	Expected Output	Actual Output	Status
Test Case 1	-9 -4 -20	-4 is the largest number.	-4 is the largest number.	Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2023-08-14, 18:17 IST

Your last recorded submission was :

```

1 #include <stdio.h>
2 int main()
3 {
4     int n1, n2, n3;
5
6     scanf("%d %d %d", &n1, &n2, &n3); /*Three numbers are accepted from the t
7
8 /* Complete the code in the box provided below. Use printf statement as prov
9 printf("%d is the largest number.", n1);
10 It may be n1, n2 or n3.
11 */
12 if (n1 >= n2) {
13
14     // inner if...else
15     if (n1 >= n3)
16         printf("%d is the largest number.", n1);
17     else
18         printf("%d is the largest number.", n3);
19 }
20

```

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Course outline

**How does an
NPTEL
online
course
work? ()**

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

☐ Lecture 11 :
Assignment
Statement
and

Operators in
C (unit?
unit=36&lesso
n=37)

○ Lecture 12 :
Arithmetic
Expressions
and Relational
Expressions
(unit?
unit=36&lesso
n=38)

○ Lecture 13 :
Logical
Operators
and Change in
Control Flow
(unit?
unit=36&lesso
n=39)

○ Lecture 14 :
Use of Logical
Operators in
Branching
(unit?
unit=36&lesso
n=40)

● Lecture 15 :
Branching : IF
- ELSE
Statement
(unit?
unit=36&lesso
n=41)

● Quiz: Week 3 :
Assignment 3
(assessment?
name=224)

● Week 3 :
Programming
Assignment 1
(/noc23_cs121
/progassignm
ent?
name=225)

● Week 3 :
Programming
Assignment 2
(/noc23_cs121
/progassignm
ent?
name=226)

```

21 // outer else statement
22 else {
23
24 // inner if...else
25 if (n2 >= n3)
26     printf("%d is the largest number.", n2);
27 else
28     printf("%d is the largest number.", n3);
29 }
30 return 0;
31 }

```

Sample solutions (Provided by instructor)

```

1 #include <stdio.h>
2 int main()
3 {
4     int n1, n2, n3;
5
6     scanf("%d %d %d", &n1, &n2, &n3); /*Three numbers are accepted from the t
7
8     /* Complete the code in the box provided below. Use printf statement as prov
9     printf("%d is the largest number.", n1);
10    It may be n1, n2 or n3.
11    */
12    if( n1>=n2 && n1>=n3 )
13        printf("%d is the largest number.", n1);
14
15    if( n2>=n1 && n2>=n3 )
16        printf("%d is the largest number.", n2);
17
18    if( n3>=n1 && n3>=n2 )
19        printf("%d is the largest number.", n3);
20 }

```

☒ Week 3 :
Programming
Assignment 3
(/noc23_cs121
/progassignment?
name=227)

☒ **Week 3 :
Programmin
g Assignment
4
(/noc23_cs12
1/progassign
ment?
name=228)**

☐ Feedback
Form of Week
3 (unit?
unit=36&lesso
n=229)

☐ Assignment 3
Solution (unit?
unit=36&lesso
n=43)

Week 4 ()

Week 5 ()

Week 6 ()

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Solving
Session -
July 2023 ()**