X

(https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

200801168@rajalakshmi.edu.in

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

Click to register for Certification exam (https://examform.nptel.ac.in/2023_10/exam_form/dashboard)

If already registered, click to check your payment status

Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Lecture 11 : Assignment Statement and

Week 3 : Programming Assignment 2

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

Write a C program to check if a given Number is zero or Positive or Negative Using if...else statement.
[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	6.45	Positive number.	Positive number.	Passed
Test Case 2	0	The number is 0.	Negative number.	Wrong Answer

The due date for submitting this assignment has passed.
1 out of 2 tests passed.
You scored 50.0/100.

Assignment submitted on 2023-08-09, 23:44 IST
Your last recorded submission was :

```
#include <stdio.h>
int main()
{
    double number;
    scanf("%lf", &number);

    /* The number is entered automatically from the test cases and executed *
    /* Write the rest of the code in the box below
    As the output should exactly match with the output mentioned in the test
    so copy and paste the following printf statements wherever and whichever
      printf("The number is 0.");
      printf("Negative number.");
      printf("Positive number.");
    Do not use any other scanf statements */
if(number>0)
```

Operators in C (unit?unit=36&lesson=37)

Lecture 12 : Arithmetic Expressions and Relational Expressions (unit?unit=36&lesson=38)

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

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

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

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

Week 3 : Programming Assignment 1 (/noc23_cs121/progassignment?name=225)

Week 3 : Programming Assignment 2 (/noc23_cs121/progassign

```
  printf("Positive number.");
else
  printf("Negative number.");
return 0;
}
```

Sample solutions (Provided by instructor)

```
#include <stdio.h>
int main()
{
    double number;
    scanf("%lf", &number);

    /* The number is entered automatically from the test cases and executed *
    /* Write the rest of the code in the box below
    As the output should exactly match with the output mentioned in the test
    so copy and paste the following printf statements wherever and whichever
      printf("The number is 0.");
      printf("Negative number.");
      printf("Positive number.");
    Do not use any other scanf statements */
if (number <= 0.0)
    {
        if (number == 0.0)
            printf("The number is 0.");
        else
            printf("Negative number.");
    }
    else
        printf("Positive number.");
}
```

ment? name=226)

- Week 3 : Programming Assignment 3 (/noc23_cs121/progassignment?name=227)
- Week 3 : Programming Assignment 4 (/noc23_cs121/progassignment?name=228)
- Feedback Form of Week 3 (unit?unit=36&lesson=229)
- Assignment 3 Solution (unit?unit=36&lesson=43)

Week 4 ()

Week 5 ()

Week 6 ()

DOWNLOAD VIDEOS ()

Books ()

Text Transcripts ()

Problem Solving Session - July 2023 ()