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



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Week 3: Programming Assignment 2

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

(https://examform_nptel.ac.in/2023@10/exam_form/dashboard) 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]

If already registered, click to check your payment status

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.	The number is 0.	Passed

Course outline

How does an NPTEL online course work? ()

Week 0: ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2023-08-16, 00:30 IST

Your last recorded submission was :

```
1 #include <stdio.h>
 2
3
   int main()
        double number;
scanf("%lf", &number);
 4
 5
        /* The number is entered automatically from the test cases and executed <sup>1</sup>
 8
        /* Write the rest of the code in the \acute{	t b}ox below
 9
        As the output should exactly match with the output mentioned in the test
10
        so copy and paste the following printf statements wherever and whichever
          printf("The number is 0.");
printf("Negative number.");
11
12
           printf("Positive number.");
13
14
        Do not use any other scanf statements */
      if(number<0)</pre>
```

Week 6 ()

DOWNLOAD VIDEOS ()

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Text
Transcripts ()

Problem Solving Session -July 2023 ()

```
16
 17
18
19
20
21
22
23
           printf("Negative number.");
         else if(number>0)
           printf("Positive number.");
      elśe{
  24
        printf("The number is 0.");
  25
  26 return 0;
  27 \}
Sample solutions (Provided by instructor)
   1 #include <stdio.h>
   2
3
     int main()
   4
           double number;
   5
6
           scanf("%lf", &number);
   7
           /* The number is entered automatically from the test cases and executed <sup>3</sup>
   8
           /* 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
   9
  10
             printf("The number is 0.");
printf("Negative number.");
printf("Positive number.");
  11
 12
13
           Do not use any other scanf statements */
  14
  15
      if (number <= 0.0)
 16
  17
                if (number == 0.0)
  18
                     printf("The númber is 0.");
  19
                else
  20
                     printf("Negative number.");
  21
22
           }
else
  23
                printf("Positive number.");
  24 }
```