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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

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.	The number is 0.	Passed

The due date for submitting this assignment has passed.
2 out of 2 tests passed.
You scored 100.0/100.

Assignment submitted on 2023-08-16, 00:30 IST
Your last recorded submission was :

```
1  #include <stdio.h>
2  int main()
3  {
4      double number;
5      scanf("%lf", &number);
6
7      /* The number is entered automatically from the test cases and executed
8      /* Write the rest of the code in the box 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
11       printf("The number is 0.");
12       printf("Negative number.");
13       printf("Positive number.");
14     Do not use any other scanf statements */
15  if(number<0)
```

```
16    {
17       printf("Negative number.");
18    }
19    else if(number>0)
20    {
21       printf("Positive number.");
22    }
23 else{
24    printf("The number is 0.");
25 }
26 return 0;
27 }
```

Sample solutions (Provided by instructor)

```
1 #include <stdio.h>
2 int main()
3 {
4     double number;
5     scanf("%lf", &number);
6
7     /* The number is entered automatically from the test cases and executed *
8     /* Write the rest of the code in the box 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
11      printf("The number is 0.");
12      printf("Negative number.");
13      printf("Positive number.");
14    Do not use any other scanf statements */
15 if (number <= 0.0)
16     {
17         if (number == 0.0)
18             printf("The number is 0.");
19         else
20             printf("Negative number.");
21     }
22     else
23         printf("Positive number.");
24 }
```