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

## Week 3 : Programming Assignment 3

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

**Write a C program to check whether a given number (integer) is Even or Odd.  
[This program does not carry any marks.]**

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	116	116 is even.	116 is even.	Passed
Test Case 2	-25	-25 is odd.	-25 is odd.	Passed

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

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

Your last recorded submission was :

```

1 #include <stdio.h>
2 int main()
3 {
4     int number;
5     scanf("%d", &number); /*An integer number is taken from the test case */
6
7     /* Write the rest of the program in the box provided below. As the output
8     should exactly match with the output provided in the test cases so use exactl
9     following printf statement wherever and whichever is applicable.
10
11 printf("%d is even.", number);
12 printf("%d is odd.", number);
13
14 */
15 if(number%2==0)
16     printf("%d is even.",number);
17 else
18     printf("%d is odd.",number);
19 return 0;

```

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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

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)

20 }

Sample solutions (Provided by instructor)

```

1 #include <stdio.h>
2 int main()
3 {
4     int number;
5     scanf("%d", &number); /*An integer number is taken from the test case */
6
7     /* Write the rest of the program in the box provided below. As the output
8     should exactly match with the output provided in the test cases so use exactl
9     following printf statement wherever and whichever is applicable.
10
11 printf("%d is even.", number);
12 printf("%d is odd.", number);
13
14 */
15 if(number % 2 == 0)
16     printf("%d is even.", number);
17     else
18     printf("%d is odd.", number);
19 }
```

☒ **Week 3 :  
Programmin  
g Assignment  
3  
(/noc23\_cs12  
1/progassign  
ment?  
name=227)**

☐ Week 3 :  
Programming  
Assignment 4  
(/noc23\_cs121  
/progassignm  
ent?  
name=228)

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

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

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**Week 4 ()**

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**Week 5 ()**

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**Week 6 ()**

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**Text  
Transcripts ()**

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**Problem  
Solving  
Session -  
July 2023 ()**