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

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Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

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 2023-08-16, 00:31 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  {
17     printf("%d is even.",number);
18  }
19  else
20  {
21     printf("%d is odd.",number);
```

```
22  }
23  return 0;
24  }
```

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  }
```