



# For Loop in C ★

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### Objective

In this challenge, you will learn the usage of the for loop, which is a programming language statement which allows code to be executed until a terminal condition is met. They can even repeat forever if the terminal condition is never met.

The syntax for the for loop is:

```
for ( <expression_1> ; <expression_2> ; <expression_3> )  
    <statement>
```

- expression\_1 is used for initializing variables which are generally used for controlling the terminating flag for the loop.
- expression\_2 is used to check for the terminating condition. If this evaluates to false, then the loop is terminated.
- expression\_3 is generally used to update the flags/variables.

The following loop initializes **i** to 0, tests that **i** is less than 10, and increments **i** at every iteration. It will execute 10 times.

```
for(int i = 0; i < 10; i++) {  
    ...  
}
```

### Task

For each integer **n** in the interval **[a, b]** (given as input) :

- If  $1 \leq n \leq 9$ , then print the English representation of it in lowercase. That is "one" for **1**, "two" for **2**, and so on.
- Else if  $n > 9$  and it is an even number, then print "even".
- Else if  $n > 9$  and it is an odd number, then print "odd".

### Input Format

The first line contains an integer, **a**.

The second line contains an integer, **b**.

### Constraints

$$1 \leq a \leq b \leq 10^6$$

### Output Format

Print the appropriate English representation, even, or odd, based on the conditions described in the 'task' section.

**Note:**  $[a, b] = \{x \in \mathbb{Z} \mid a \leq x \leq b\} = \{a, a + 1, \dots, b\}$

### Sample Input

```
8  
11
```

### Sample Output



```
eight
nine
even
odd
```

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```
1  #include <stdio.h>
2  #include <string.h>
3  #include <math.h>
4  #include <stdlib.h>
5
6  void count(int a)
7  {
8      char* num[9]={"one","two","three","four","five","six","seven","eight","nine"};
9      if(a<10 && a>0)
10         printf("%s\n",num[a-1]);
11     else if(a>9)
12     {
13         if (a%2==0)
14             printf("even\n");
15         else
16             printf("odd\n");
17     }
18 }
19
20
21
22
23 int main()
```

Line: 17 Col: 6

Upload Code as File

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Run Code

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## Test case 0

## Test case 1

## Test case 2

## Test case 3

## Test case 4

## Test case 5

## Compiler Message

Success

## Input (stdin)

```
1  8
2  11
```

## Expected Output

```
1  eight
2  nine
3  even
```

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