

# For Loop



A *for* loop is a programming language statement which allows code to be repeatedly executed.

The syntax for this is

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

- *expression\_1* is used for initializing variables which are generally used for controlling 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.

A sample loop will be

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

## Input Format

You will be given two positive integers, *a* and *b* ( $a \leq b$ ), separated by a newline.

## Output Format

For each integer  $n \in [a, b]$  (so all numbers in that range):

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

**Note:**  $[a, b]$  represents the interval, i.e.,  $[a, b] = \{x \in \mathbb{Z} \mid a \leq x \leq b\} = \{a, a + 1, \dots, b\}$

## Sample Input

```
8  
11
```

## Sample Output

```
eight  
nine  
even  
odd
```