

Java → Basic syntax and simple programs → Control flow statements → [Branching statements](#)

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Branching statements → Even or odd

Medium 7 minutes ?

Given a sequence of natural numbers. For each number of the sequence output "even" if the number is even, otherwise, "odd". If the number is equal to 0, the program must stop reading and processing numbers.

Input data

A sequence of natural numbers, each number in a new line.

Output data

The sequence of words "even" and "odd". Each word in a new line.

Output the result right after the number is entered. Then input the next one. There's no need to store the sequence.

Report a typo

Sample Input 1:

```
1
2
3
4
0
```

Sample Output 1:

```
odd
even
odd
even
```

Write a program

[Code Editor](#) [IDE](#)

Java

```
1 import java.util.Scanner;
2 class Main {
3     public static void main(String[] args) {
4         // put your code here
5         Scanner scanner = new Scanner(System.in);
6
7         int number;
8         do {
9             number = scanner.nextInt();
10            if (number == 0) {
11                break;
12            } else {
13                System.out.println(number % 2 == 0 ? "even" : "odd");
14            }
15        } while (number != 0);
16        scanner.close();
17    }
18 }
19
```

✓ Correct.

That's an awesome solution! What do you think about showing it off? [Post it to Solutions](#) so other learners can enjoy it too.

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