

Coding Challenge #2: Parity

This lessons included some small coding exercise to test your JavaScript skills.

We'll cover the following ^

- Problem Statement
 - Expected Output
- Coding Exercise
- Task 2
 - Input
 - Expected Output
- Coding Exercise

Problem Statement

Check the following program that shows even numbers (divisible by 2) between 1 and 10.


```
1 for (let i = 1; i <= 10; i++) {
2   if (i % 2 === 0) {
3     console.log(`${i} is even`)
4   }
5 }
```






This program uses the modulo operator %, which calculates the remainder after division of one number by another. It's often used to assess number parity.

```
1 console.log(10 % 2); // 0 beca
2 console.log(11 % 2); // 1 beca
3 console.log(18 % 3); // 0 beca
4 console.log(19 % 3); // 1 beca
5 console.log(20 % 3); // 2 beca
```







Improve the program so that it also shows odd numbers.

This program must show exactly 10 numbers including the first one, not 11 numbers!



Expected Output #




```
1 is odd
3 is odd
5 is odd
7 is odd
9 is odd
11 is odd
13 is odd
15 is odd
17 is odd
19 is odd
```

Coding Exercise #

```
// Write your code here...
```







Task 2 #

Improve the above program again to replace the initial number 1 by a number given by the user and then print 10 numbers starting from the number entered by user, and identify whether they are even or odd.

Input #

```
Enter number: 9
```

Expected Output #

```
9 is odd
10 is even

11 is odd
12 is even
13 is odd
14 is even
15 is odd
16 is even
17 is odd
18 is even
```

Coding Exercise

JavaScript

```
// Write - Your - Code
```



Console

Clear