

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.

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



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.

```
console.log(10 % 2); // 0 because 10 = 5 * 2 + 0  
console.log(11 % 2); // 1 because 11 = 5 * 2 + 1  
console.log(18 % 3); // 0 because 18 = 3 * 6 + 0  
console.log(19 % 3); // 1 because 19 = 3 * 6 + 1
```



```
console.log(19 % 3); // 1 because 19 = 3 * 6 + 1  
console.log(20 % 3); // 2 because 20 = 3 * 6 + 2
```



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 #

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