

# Challenge 1: Return Even Numbers From 1 to n

Make your own iterator class to return a list of even numbers.

## WE'LL COVER THE FOLLOWING ^

- Problem Statement
  - Input
  - Output
  - Sample Input
  - Sample Output
- Coding Exercise

## Problem Statement #

Edit the following iterator class to return all the positive even numbers from 1 to (n). The following test cases will test your code using

```
myrange = MyRange(n) # n is an integer
print(myrange.next())
```

## Input #

A number **n**

## Output #

The range of positive even number upto n

## Sample Input #

8

## Sample Output #

[2, 4, 6, 8]

# Coding Exercise #

Write your code below. It is recommended that you try solving the exercise yourself before viewing the solution.

```
class MyRange:
    def __init__(self, n):
        pass

    def __iter__(self):
        return self

    def next(self):
        pass

myrange = MyRange(8)
print (myrange.next())
```



In the next lesson, we will discuss the solution to this challenge.