

# Solution Review: Only Even

In the following lesson, we will go over the solution for the challenge: Only Even.

## We'll cover the following ^

- Task
- Solution

## Task #

In this challenge, you were provided a list of integers. Using the list, you had to create and populate a new list. The final list could only consist of even multiples of 3.

## Solution #

Let's go over the solution step-by-step.

The first thing you had to do was use a for-loop to multiply all the elements of `integers` with 3.

```
for(var i = 0; i<integers.length; i++){  
  integers[i] = integers[i] * 3;  
}
```

Next, you had to insert a nested `if` condition in the for-loop. This condition is for checking if the item in the current iteration is an even number. If it is an even number, add the item to the list `evenList`.

```
if(integers[i] % 2 == 0){  
  evenList.add(integers[i]);  
}
```

You can find the complete solution below:

You were required to write the code given from **line 5** until **line 9**

You were required to write the code given from line 3 until line 9.

```
main() {  
    var evenList = List();  
    var integers = [1,2,3,4,5];  
  
    for(var i = 0; i < integers.length; i++){  
        if((integers[i] * 3) % 2 == 0){  
            evenList.add(integers[i]);  
        }  
    }  
  
    // Driver Code  
    print(evenList);  
}
```



Let's move on to **while** loops in the next lesson.