

Extra Exercises with **Recursion** in **Ruby**

1. not_13

Create a function called `not_13`, which takes an Integer parameter. When called, use recursion to loop through every integer between 0 and that number, and print "`{num}` is multiple of 13" when you reach a multiple of 13. Or a message "`{num}` is less than 13" if the value will not reach 13.

2. Reverse Racecar

Create a function called `reverse_racecar`, which takes a String "My Racecar" as an argument. When called, the function should reverse the text using recursion. Use `print`, (**not** `puts`), to print the character of the text individually in reverse order. Do not use the `String#reverse` method.

3. too_many_steps

Create a function called `too_many_steps` that accepts an Integer parameter, and the number 0 (as a counter). If the integer is even, multiply it by 3 and call the function again. If the number is odd, divide it by 2 and call the function again; each time passing an incremented counter. Only exit the function once you reach a multiple of 18, or if the counter reaches 8700 steps (in which case print "Too Many Steps!"). Otherwise, print how many steps it took you to get to a multiple of 18 using `puts`.