Write a function to reverse a string in-place⮫ .

Breakdown

In general, an " in-place⮫ " algorithm will require swapping elements.

Solution

We swap the first and last characters, then the second and second-to-last characters, and so on until we reach the middle.

```Ruby
def reverse(string)

    left_pointer  = 0
    right_pointer = string.length - 1

    while left_pointer < right_pointer

        # swap characters
        string[left_pointer], string[right_pointer] = \
            string[right_pointer], string[left_pointer]

        # move towards middle
        left_pointer  += 1
        right_pointer -= 1

    end

    return string
end
```

Complexity

$O(n)$ time and $O(1)$ space.