There are 2 cases with adding one.

Case 1:

The number of digits after adding 1 remains the same.

This is the easy case. Simulate the mathematical process of adding one maintaining carry from the digit.

Case 2:

The number of digits increases by 1 when adding.

This causes some complication as you would have to shift all digits by 1 to make space for the new digit in the most significant position.

> 1. **Tip** :Try reversing the digits for the addition. Reverse them back after getting the result.