Reverse the digits of the number to make your life easier.

Maintain a carry which is initialized to 1 (Denoting that we need to add one to the number).
Run a loop on the digit array (which is now reversed), and add carry to the current digit. If the digit D exceeds 10 on doing so, store the last digit in current position (D % 10), and make carry = rest of the digits (D / 10). Continue the process till you have covered all the digits.
Now if at the end, carry = 0, we are done, and we can return the array.

If not, we need to add one more digit, with carry in it.