

```
C:\Users\jf\Desktop\spyder\exercies\rrr.py

rrr.py X IncrementLNA.py X

1  def increment_number(digits):
2      carry = 1 # Start with the increment
3      n = len(digits)
4
5      for i in range(n - 1, -1, -1): # Traverse the array in reverse
6          new_value = digits[i] + carry
7          digits[i] = new_value % 10 # Update the digit
8          carry = new_value // 10    # Determine if there's a carry-over
9
10     if carry: # If there's still a carry after the loop
11         digits.insert(0, carry)
12
13     return digits
14
15 # Example Usage:
16 print(increment_number([1, 2, 3])) # Output: [1, 2, 4]
17 print(increment_number([4, 3, 2, 1])) # Output: [1, 2, 4]
18 print(increment_number([9])) # Output: [1, 0]
19
```

```
Console 2/A X

Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 8.27.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/jf/Desktop/spyder/exercies/rrr.py', wdir='C:/Users/jf/Desktop/spyder/
exercies')
[1, 2, 4]
[4, 3, 2, 2]
[1, 0]

In [2]: |
```