

```
def addOne(A, N):  
    # initialize a carry value  
    carry = 1  
  
    # iterate through the list  
    # from end - in reverse  
    # N-1, N-2, N-3, .... 0  
    # N = 4  
    # 3, 2, 1, 0 -> i  
    for i in range(N-1, -1, -1):  
        # A[i]  
        A[i] = A[i] + carry  
        if A[i]>9:  
            A[i] = 0  
            carry = 1  
        else:  
            carry = 0  
    if carry == 1:  
        A.insert(0,1)  
    print(A)  
  
N = 5  
A = [9,9,9,9,9]  
addOne(A,N)
```