

# LU02.L01 - Summe einer Zahlenliste

```
def sum_of_numbers(numbers):  
    return sum(numbers)  
  
if __name__ == '__main__':  
    numbers = [1, 2, 3, 4, 5]  
    print('The sum of the numbers is:', sum_of_numbers(numbers))
```

oder

```
def sum_of_numbers(numbers):  
    """  
    Recursively calculates the sum of a list of numbers.  
  
    :param numbers: A list of integers.  
    :type numbers: list  
    :return: The sum of the numbers in the list.  
    :rtype: int  
  
    The function operates recursively, summing the first element of the list  
    with the sum of the remaining elements. If the list is empty, the  
function  
    returns 0 as the base case.  
    """  
    if not numbers:  
        return 0  
    return numbers[0] + sum_of_numbers(numbers[1:])  
  
if __name__ == '__main__':  
    numbers_list = [1, 2, 3, 4, 5]  
    result = sum_of_numbers(numbers_list)  
    print(f'The sum of the numbers is: {result}')
```



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