

# 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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