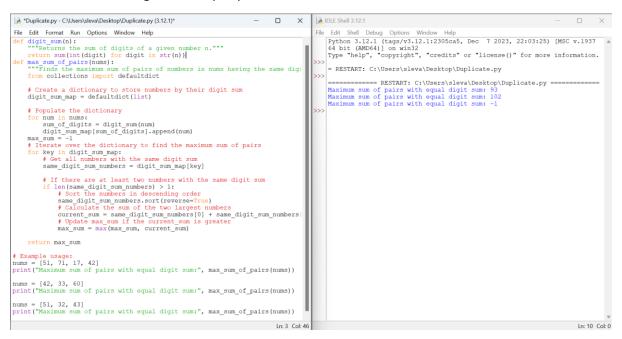
1. Find Mth maximum and Nth minimum Number in an array

2. Merge Sort

3. Maximum sum of digits with equal pairs



4. Shortest path using Floyd's technique

5. Linear Search

```
Duplicate.py - C\Users\slewa\Desktop\Duplicate.py (3.121)

File Edit Format Run Options Window Help

import time

def linear search (arr, target):

"""

Perform a linear search for the target in the array.

:param arr: List of elements to search within.
:param target: The element to search for.
:return: The index of the target if found, else -1.

"""

for index, element in enumerate(arr):
    if element == target:
        return index

return -1

Example usage and time measurement
arr = [1, 3, 5, 7, 9, 11, 13, 15, 17, 19]
target = 7

start time = time.time()

result != -1:
    print(f"Element (target) not found in the array")

print(f"File taken for linear search: (end time - start time:.l0f) seconds")
```

6.Binomial Coefficient

7. Factorial of a number

8. Knapsack Problem

9. Fibonacci services