1. Odd String Difference

2. Words Within Two Edits of Dictionary

3. Destroy Sequential Targets

4. Next Greater Element IV

5. Average Value of Even Numbers That Are Divisible by Three

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Assignment-4.py - C/Users/sleva/Desktop/Design and Anlysis of Algorithms/Assignme... — X

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def average_value (nums):

# Filter the list to get even numbers divisible by 3
filtered_numbers = [num for num in nums if num % 2 == 0 and num % 3 == 0]

# Check if there are no such numbers to avoid division by zero
if not filtered_numbers:
    return 0

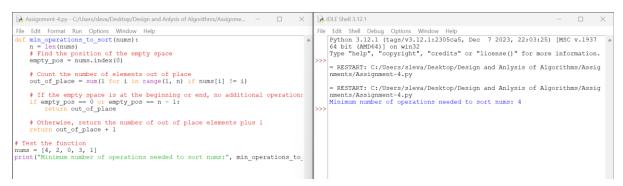
# Calculate the sum and the count of the filtered numbers
total_sum = sum(filtered_numbers)

# Calculate the average and round down
average = total_sum // count
    return average

# Example usage
nums = [1, 3, 6, 10, 12, 15]
print(average_value(nums)) # Output should be 9
```

6. Minimum Addition to Make Integer Beautiful

7. Sort Array by Moving Items to Empty Space



8. Apply Operations to an Array