

1. Odd String Difference

```
def odd_string_difference(s):  
    return ''.join([c for i, c in enumerate(s) if i % 2 != 0])  
  
s = "abcdefg"  
print(odd_string_difference(s))
```

2. Words Within Two Edits of Dictionary

```
def within_two_edits(word, dictionary):  
    def is_within_two_edits(word1, word2):  
        if abs(len(word1) - len(word2)) > 2:  
            return False  
        i, j, edits = 0, 0, 0  
        while i < len(word1) and j < len(word2):  
            if word1[i] != word2[j]:  
                edits += 1  
                if edits > 2:  
                    return False  
            if len(word1) > len(word2):  
                i += 1  
            elif len(word1) < len(word2):  
                j += 1  
            else:  
                i += 1  
                j += 1  
            else:  
                i += 1  
                j += 1  
        edits += len(word1) - i + len(word2) - j  
        return edits <= 2  
  
    return [w for w in dictionary if is_within_two_edits(word, w)]  
dictionary = ["word", "ward", "world", "worm"]  
word = "word"  
print(within_two_edits(word, dictionary))
```

3. Destroy Sequential

```
def destroy_sequential(nums):  
    if not nums:  
        return 0  
    max_len = 1  
    current_len = 1  
    for i in range(1, len(nums)):  
        if nums[i] == nums[i - 1] + 1:  
            current_len += 1  
        else:  
            max_len = max(max_len, current_len)  
            current_len = 1
```

```
    return max(max_len, current_len)
```

```
nums = [1, 2, 3, 5, 6, 7, 9, 10, 11]  
print(destroy_sequential(nums))
```

4. Next Greater Element IV

```
def next_greater_element_iv(nums):  
    res = [-1] * len(nums)  
    stack = []  
    for i in range(len(nums)):  
        while stack and nums[stack[-1]] < nums[i]:  
            res[stack.pop()] = nums[i]  
        stack.append(i)  
    return res  
nums = [2, 1, 2, 4, 3]  
print(next_greater_element_iv(nums))
```

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

```
def average_even_divisible_by_three(nums):  
    even_div_by_three = [num for num in nums if num % 2 == 0 and num % 3 == 0]  
    if not even_div_by_three:  
        return 0  
    return sum(even_div_by_three) / len(even_div_by_three)  
  
nums = [1, 2, 3, 6, 12, 15, 18]  
print(average_even_divisible_by_three(nums))
```

6. Most Popular video creator

```
from collections import Counter  
def most_popular_creator(videos):  
    creator_views = Counter()  
    for creator, views in videos:  
        creator_views[creator] += views  
    max_views = max(creator_views.values())  
    return [creator for creator, views in creator_views.items() if views == max_views]  
videos = [("creator1", 100), ("creator2", 200), ("creator1", 150), ("creator2", 50)]  
print(most_popular_creator(videos))
```

7. Minimum Addition to Make Integer

```
def minimum_addition_to_make_integer(n):  
    steps = 0  
    while n % 2 != 0:  
        n += 1  
        steps += 1  
    return steps  
n = 15  
print(minimum_addition_to_make_integer(n))
```

8. Split Message Based on Limit

```
def split_message(message, limit):
    words = message.split()
    result = []
    current_message = ""
    for word in words:
        if len(current_message) + len(word) + 1 <= limit:
            current_message = current_message + " " + word
        else:
            result.append(current_message)
            current_message = word
    if current_message:
        result.append(current_message)
    return result
message = "This is an example message that needs to be split based on a limit."
limit = 10
print(split_message(message, limit))
```