

```
Test Case 1: Input: [5, 2, 9, 1, 5, 6] | Output: [1, 2, 5, 5, 6, 9]

Test Case 2: Input: [10, 8, 6, 4, 2] | Output: [2, 4, 6, 8, 10]

Test Case 2: Input: [10, 8, 6, 4, 2] | Output: [2, 4, 6, 8, 10]

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5]

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5]

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5]

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5]

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 3: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] | Output: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

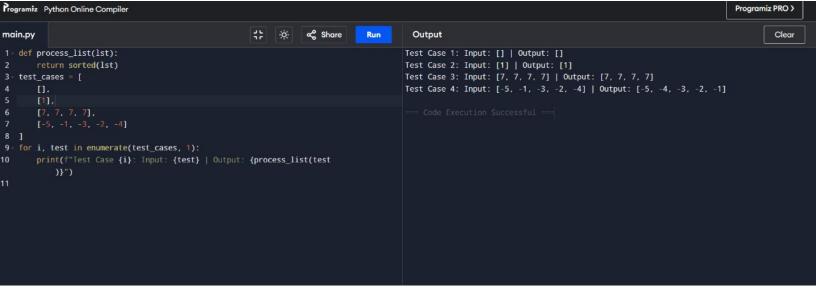
Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1, 2, 3, 4, 5] |

Test Case 4: Input: [1
```

nain.py



```
1 - def find_kth_missing(arr, k):
                                                                                           Test Case 1: Input: [2, 3, 4, 7, 11], k=5 | Output: 9
       missing_count = 0
                                                                                           Test Case 2: Input: [1, 2, 3, 4], k=2 | Output: 6
        current = 1
        index = 0
        while missing_count < k:</pre>
            if index < len(arr) and arr[index] == current:</pre>
                index += 1
                missing_count += 1
                if missing_count == k:
                   return current
            current += 1
   test_cases = [
19
20 for i, (arr, k) in enumerate(test_cases, 1):
        print(f"Test Case {i}: Input: {arr}, k={k} | Output: {find_kth_missing(arr, k)}"
```