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Jupyter task 6 mainflow Last Checkpoint: 7 minutes ago
                                                                                                                                                                               JupyterLab 🗗 🐞 Python 3 (ipykernel) ○ 🗏
                 print(is_valid_sudoku(board))
          [9]:
    def word_frequency(text):
    words = text.lower().split() # convert to lowercase and split by
    freq = ()
                       for word in words:
    word = word.strip(",,!?;:'\"()[]{}") # remove common punctuation
    if word: # skip empty strings
                                  freq[word] = freq.get(word, 0) + 1
         [10]: text = "Hola, aunty! hows it going? going good? hola uncle!" print(word_frequency(text))
                  {'hola': 2, 'aunty': 1, 'hows': 1, 'it': 1, 'going': 2, 'good': 1, 'uncle': 1}
        def knapsack_01(weights, values, capacity):
    n = len(weights)
               for i in range(1, n + 1):
    for w in range(capacity + 1):
        if weights[i - 1] <= w:</pre>
                               dp[i][w] = max(
    dp[i - 1][w],
    dp[i - 1][w - weights[i - 1]] + values[i - 1]
)
              return dp[n][capacity]
[13]: weights = [2, 3, 4, 5] values = [3, 4, 5, 6] capacity = 5
         print(knapsack_01(weights, values, capacity))
     Jupyter task 6 mainflow Last Checkpoint: 10 minutes ago
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                                                                                                                                                                     [16]: def merge_intervals(intervals):
    if not intervals:
        return []
                     intervals.sort(key=lambda x: x[0])
merged = [intervals[0]]
                     for current in intervals[1:]:
    last = merged[-1]
    if current[0] <= last[1]: # Overlop
    last[1] = max(last[1], current[1]) # Merge</pre>
                          else:
merged.append(current) # No overlap, add ne
       [17]: intervals = [[1, 3], [2, 6], [8, 10], [15, 18]]
print(merge_intervals(intervals))
  Jupyter task 6 mainflow Last Checkpoint: 13 minutes ago
  File Edit View Run Kernel Settings Help
        [18]: def find_median_merged(nums1, nums2):
    merged = sorted(nums1 + nums2)
    n = len(merged)
                                                                                                                                                                                        ⑥↑↓占甲ⅰ
                      else:
return (merged[n // 2 - 1] + merged[n // 2]) / 2
        [19]: print(find_median_merged([1, 3], [2])) print(find_median_merged([1, 2], [3, 4]))
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