DIVYADHARSHINI V 2022-BIOMED-A D2 ~ REC-PS

candidates received Max vote. If there is tie, print a lexicographically smaller name.

Given an array of names of candidates in an election. A candidate name in the array represents a vote cast to the candidate. Print the name of

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Question 1

Mark 1.00 out of

Flag question

Correct

1.00

Output : John Sample Input: 10 John John

Johny

Jack

Johny

Johny

Jackie

Johny

Started on Friday, 31 May 2024, 7:44 PM

Completed on Friday, 31 May 2024, 8:02 PM

Grade 100.00 out of 100.00

Examples:

State Finished

Time taken 17 mins 43 secs

Marks 5.00/5.00

"johnny", "jamie", "johnny", "john"}; We have four Candidates with name as 'John', 'Johnny', 'jamie', 'jackie'. The candidates John and Johny get maximum votes. Since John is alphabetically smaller, we print it. Use dictionary to solve the above problem Johny Jamie Jamie

Input: votes[] = {"john", "johnny", "jackie",

"johnny", "john", "jackie",

"jamie", "jamie", "john",

Sample Output:

1 | A = [input() for _ in range(int(input()))] 2 B = {name: A.count(name) for name in set(A)} 3 print(min(name for name, count in B.items() if count == max(B.values())))

Answer: (penalty regime: 0 %)

Input Expected Got 10 Johny Johny 🗸 John John Johny Jamie Jamie Johny Jack Johny Johny Jackie

Ida Ida 6 Ida Ida Ida Kiruba Kiruba Kiruba

Passed all tests! < Correct Marks for this submission: 1.00/1.00. Example 1: Output: ["sweet", "sour"] Example 2: Output: ["banana"] Constraints:

Question 2

Mark 1.00 out of

Flag question

Correct

1.00

A sentence is a string of single-space separated words where each word consists only of lowercase letters. A word is uncommon if it appears exactly once in one of the sentences, and does not appear in the other sentence. Given two sentences s1 and s2, return a list of all the uncommon words. You may return the answer in any order. Input: s1 = "this apple is sweet", s2 = "this apple is sour" Input: s1 = "apple apple", s2 = "banana" 1 <= s1.length, s2.length <= 200 s1 and s2 consist of lowercase English letters and spaces. s1 and s2 do not have leading or trailing spaces.

All the words in s1 and s2 are separated by a single space. Use dictionary to solve the problem Result sweet sour this apple is sweet this apple is sour

Note: For example: Input Answer: (penalty regime: 0 %) 1 |s1, s2 = input().split(), input().split() 2 c1, c2 = {}, {} 3 for w in s1: c1[w] = c1.get(w, 0) + 1

4 for w in s2: c2[w] = c2.get(w, 0) + 1 5 A = [w for w, c in c1.items() if c == 1 and w not in c2] 6 A += [w for w, c in c2.items() if c == 1 and w not in c1] 7 print(*A, end=' ') Input ✓ this apple is sweet sweet sour sweet sour ✓ this apple is sour apple apple banana

Expected

banana

Got

banana

Passed all tests! < Correct Marks for this submission: 1.00/1.00. Question 3 In the game of Scrabble™, each letter has points associated with it. The total score of a word is the sum of the scores of its letters. More common letters are worth fewer points while less common letters are worth more points. The points associated with each letter are shown below: Mark 1.00 out of Points Letters 1 A, E, I, L, N, O, R, S, T and U 2 D and G 3 B, C, M and P 4 F, H, V, W and Y 5 K 8 J and X 10 Q and Z Write a program that computes and displays the Scrabble™ score for a word. Create a dictionary that maps from letters to point values. Then use the dictionary to compute the score.

Correct

F Flag question A Scrabble™ board includes some squares that multiply the value of a letter or the value of an entire word. We will ignore these squares in this exercise. Sample Input REC Sample Output REC is worth 5 points. For example: Input Result

REC is worth 5 points.

letter_points = {

'K': 5,

return score

word = input().strip()

Display the result

Calculate Scrabble score score = scrabble_score(word)

Sample input

Input Expected

REC

Passed all tests! <

'D': 2, 'G': 2,

'J': 8, 'X': 8, 'Q': 10, 'Z': 10

Dictionary mapping letters to their point values

'F': 4, 'H': 4, 'V': 4, 'W': 4, 'Y': 4,

score = sum(letter_points.get(letter.upper(), 0) for letter in word)

'B': 3, 'C': 3, 'M': 3, 'P': 3,

Calculate the score of the word

print(f"{word} is worth {score} points.")

Got

GOD is worth 5 points. GOD is worth 5 points. 🗸

REC is worth 5 points. REC is worth 5 points. 🗸

'A': 1, 'E': 1, 'I': 1, 'L': 1, 'N': 1, 'O': 1, 'R': 1, 'S': 1, 'T': 1, 'U': 1,

Correct Marks for this submission: 1.00/1.00. Question 4 Give a dictionary with value lists, sort the keys by summation of values in value list. Correct **Input**: test_dict = {'Gfg' : [6, 7, 4], 'best' : [7, 6, 5]} Mark 1.00 out of 1.00 Output: {'Gfg': 17, 'best': 18} Flag question **Explanation**: Sorted by sum, and replaced. **Input**: test_dict = {'Gfg' : [8,8], 'best' : [5,5]} Output: {'best': 10, 'Gfg': 16} **Explanation**: Sorted by sum, and replaced. 2

Question 5 Correct 1.00

Mark 1.00 out of P Flag question Note: Ram

Lalith Lalith

b = max((info['assignment'] for info in students.values())) 11 12 13 14 15 16 d = min(averages.values()) 17 18 19 20 21 Input James 67 89 56 Lalith 89 45 45 Ram 89 89 89 Sita 70 70 70 Raja 95 67 90 Aarav 89 90 90 Shadhana 95 95 91 Raja Passed all tests! < Correct

Sample Input: Gfg 6 7 4 Best 7 6 5 Sample Output Gfg 17 Best 18 For example: Input Result 2 Gfg 17 Gfg 6 7 4 Best 18 Best 7 6 5 Answer: (penalty regime: 0 %) 1 |n = int(input()) 2 test_dict = {key: sum(map(int, values)) for key, *values in (input().split() for _ in range(n))} 3 sorted_dict = {key: value for key, value in sorted(test_dict.items(), key=lambda x: x[1])} 4 - for key, value in sorted_dict.items(): print(key, value) 6 Input **Expected Got**

Gfg 17 Gfg 17 🗸 Gfg 6 7 4 Best 18 Best 18 Best 7 6 5 Best 10 🗸 Best 10 Gfg 12 Gfg 12 Gfg 6 6 Best 5 5 Passed all tests! < Marks for this submission: 1.00/1.00. Create a student dictionary for n students with the student name as key and their test mark assignment mark and lab mark as values. Do the following computations and display the result. 1.Identify the student with the highest average score 2.Identify the student who as the highest Assignment marks 3.Identify the student with the Lowest lab marks 4.Identify the student with the lowest average score If more than one student has the same score display all the student names Sample input: James 67 89 56 Lalith 89 45 45

Ram 89 89 89 Sita 70 70 70 Sample Output: James Ram For example: Input Result Ram James 67 89 56 James Ram Lalith 89 45 45 Lalith Ram 89 89 89 Lalith Sita 70 70 70 Answer: (penalty regime: 0 %) 1 |n = int(input()) 2 students = {} 3 for _ in range(n): name, test, assignment, lab = input().split() students[name] = {'test': int(test), 'assignment': int(assignment), 'lab': int(lab)} averages = {name: sum(info.values()) / 3 for name, info in students.items()} a = max(averages.values()) A = sorted([name for name, avg in averages.items() if avg == a])

Expected

James Ram

Lalith

Lalith

Shadhana

Shadhana

Marks for this submission: 1.00/1.00.

Aarav Raja

Jump to...

B = sorted([name for name, info in students.items() if info['assignment'] == b]) c = min((info['lab'] for info in students.values())) C = sorted([name for name, info in students.items() if info['lab'] == c]) D = sorted([name for name, avg in averages.items() if avg == d]) print('\n'.join([" ".join(A), " ".join(B), " ".join(C), " ".join(D)])) Got James Ram Lalith Lalith Shadhana Shadhana Aarav Raja Raja

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Finish review Functions -

■ Week8 MCQ