Sample Online Test Question 8

Due on 2021-03-09, 23:59 IST

Instructions

There will be two online programming tests on 9 March, 2021. This is a sample test to explain what the actual test will look like.

- These tests account for 25% of the total evaluation for the course.
- The duration of the test is 2 hours.
- The first test will be from 10:00 am–12:00 noon and the second from 8:00 pm–10:00 pm, on Tuesday, 9 March, 2021.
- You can attempt one or both of the tests. The best score will be counted..

Note: In this question, you have to write a Python function. Your function should return the value specified in the problem description. Do not print any messages or diagnostic information. Your code wll be evaluated automatically by comparing your program's output with the expected output, so any spurious output from your program will cause your answer to be reported as wrong. You can assume that inputs to your functions will be of the correct type, as specified in the question.

There are some "public" test cases where you can see how your program does when you use "Compile and Run". Finally, you should "Submit" your code for evaluation. Your solution will be checked against "private" test cases, which you cannot see. You will get a score based on how many private test cases you solve correctly.

Question 8

Write a Python function `repeated(l)` that takes a list of immutable values as argument. The function should return the number of values that are repeated in the input list.

For instance, `repeated([1,17,22,17,23,17])` should return `1` because only 1 value, `17` is repeated. Likewise `repeated(["the","higher","you","climb","the","further","you","fall"])` is 2 becaues 2 values, `"the"` and `"you"`, are repeated.

Sample Test Cases

	Input	Output
Test Case 1	`repeated([1,17,22,17,23,17])`	`1`
Test Case 2	`repeated(["the","higher","you","climb","the","further","you","fall"])`	`2`
Test Case 3	`repeated([13,12,13,12,13,12,23,23,14,15,15,14])`	`5`
Test Case 4	`repeated([1,2,3,4,5])`	

Test Case 5	`repeated([1,17,22,17,23,17])`	1
Test Case 6	`repeated(["the","higher","you","climb","the","further","you","fall"])`	2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

8 (/noc20_cs26/progassignment?name=125)

Online Programming Test 1, 01 Dec 2020, 10:00-12:00 ()

Online Programming Test 2, 01 Dec 2020, 20:00-22:00 ()

Online Programming Test 1, 09 Mar 2021, 10:00-12:00 ()

Online Programming Test 2, 09 Mar 2021, 20:00-22:00 ()