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rajeshborate08@gmail.com ▼

Courses » Programming, Data Structures and Algorithms using Python

Announcements

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Unit 10 - Week 4 Quiz

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Week 4 Quiz

The due date for submitting this assignment has passed.

Due on 2019-02-27, 23:59 IS



Assignment submitted on 2019-02-27, 20:47 IST

All questions carry equal weightage. All Python code is assumed to be executed using Python3. You may submit as many times as you like within the deadline. Your final submission will be graded.

Note:

- If the question asks about a value of type string, remember to enclose your answer in single or double quotes.
- If the question asks about a value of type list, remember to enclose your answer in square brackets and use commas to separate list items.
- 1) Consider the following Python function.

```
def mystery(1):
   if len(1) < 2:
     return (1)
   else:
     return ([[-1]] + mystery([[1:-1]]) + [[10]])
What does mystery([23,13,71,66,28,55]) return?</pre>
```

[55, 28, 66, 71, 13, 23]

Yes, the answer is correct.

Score: 2.5

Accepted Answers:

 $(\textit{Type: Regex Match}) \ |s^*| [ls^*55|s^*, ls^*28|s^*, ls^*66|s^*, ls^*71|s^*, ls^*13|s^*, ls^*23|s^*] | s^* |s^*| |s$

2.5 points

2) What is the value of triples after the following assignment?

triples = [(x,y,z)] for x in range(1,4) for y in range(2,5) for z in range(5,8) if x+y > z

[(2, 4, 5), (3, 3, 5), (3, 4, 5), (3, 5, 5), (3, 5, 5), (3, 5, 5), (3, 5, 5), (3, 5, 5), (3, 5, 5), (3, 5, 5), (3, 5, 5),

Yes, the answer is correct.

Score: 2.5

Accepted Answers:

Consider the following dictionary.

2.5 points

2 032 1100711 (1101 11 5273 114 13

runs = {"Test":{"Dhawan":[190,14,35,119],"Kohli":[3,103,13,42],"Pujara":[153,15,133,8]},"ODI":{"Dhawan":[37],"Kohl

Which of the following statements does *not* generate an error?

```
"runs["ODI"]["Pujara"]=[44]
"runs["ODI"]["Pujara"][0]=44
"runs["ODI"]["Pujara"].extend([44])
"runs["ODI"]["Pujara"].append([44])
```

Yes, the answer is correct.

Score: 2.5

Feedback:

runs["ODI"]["Pujara"] creates a new key, so one can only assign it a fresh value, not access parts of the value or append to or extend the value.

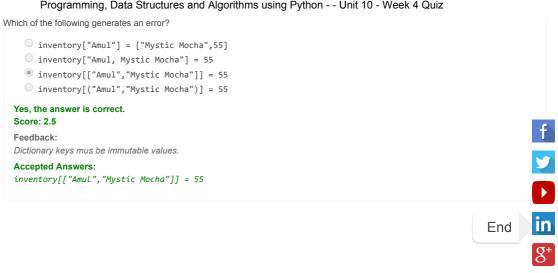
Accepted Answers:

runs["ODI"]["Pujara"]=[44]

4) Assume that inventory has been initialized as an empty dictionary:

2.5 points

inventory = {}



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