Consider the following Python function.

def mystery(l):
    if l == []:
        return (l)
    else:
        return (l[-1:] + mystery(l[:-1]))

What does `mystery([31,32,71,18,51])` return?

No, the answer is incorrect.
Score: 0
Feedback: Elements are moved from the end of the list to the beginning, so the list gets reversed.
Accepted Answers: (["[31,32,71,18,51]", "]\[51\],[18],[71],[32],[31]\])
2) What is the value of pairs after the following assignment?

```
pairs = [ (x,y) for x in range(3,0,-1) for y in range(2,0,-1) if (x+y)%3 == 0 ]
```

No, the answer is incorrect.
Score: 0
Feedback:
All pairs (i,j) with i ∈ {3,2,1}, j ∈ {2,1} such that i + j is a multiple of 3,
Accepted Answers:
(Type: Regex Match) [ ]*[\[ ]*[\[ ]*[2]\*[ ]*[1]\*[ ]*[\] ]* ]*[\[ ]*[\[ ]*[1]\*[ ]*[\] ]* ]*[\[ ]*[\[ ]*[1]\*[ ]*[\] ]* ]*

2.5 points

3) Consider the following dictionary.

```
marks = {"Quizzes":{"Mahesh":[3,5,7,8],"Suresh":[9,4,8,8],"Uma":[9,9,7,6] },"Exams":{"Mahesh":[37],"Uma":[36]}}
```

Which of the following statements does not generate an error?

- marks["Exams"] ["Suresh"] [0:] = [44]
- marks["Exams"] ["Suresh"].append(44)
- marks["Exams"] ["Suresh"] = [44]
- marks["Exams"] ["Suresh"].extend([44])

No, the answer is incorrect.
Score: 0
Feedback:
Direct assignment to a new key adds a value. All other updates result in KeyError.
Accepted Answers:
marks["Exams"] ["Suresh"] = [44]

2.5 points

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

```
d = {}
```

Which of the following generates an error?

- d[12] = 5
- d["1,2"] = 5
- d[(1,2)] = 5
- d[[1,2]] = 5

No, the answer is incorrect.
Score: 0
Feedback:
Key must be an immutable value. List is not OK. Tuple, string and integer are OK.
Accepted Answers:
d[[1,2]] = 5
<table>
<thead>
<tr>
<th>Online Programming Test 1, 26 Sep 2019, 09:30-11:30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Programming Test 2, 26 Sep 2019, 20:00-22:00</td>
</tr>
</tbody>
</table>