

## Python Quiz: Exceptions

Total Score: /2<sup>3</sup>

**Printed Name:**

## Quiz rules:

1. You MAY use any printed or handwritten notes.
  2. You MAY NOT use a computer or any other electronic device.

**Problem 1.** The following code (circle one)

terminates without error

throws an exception

runs forever

If the code terminates without error, write the output. If the code throws an exception, state the exception.

```
1  grades={  
2      'alice':{'hw1':99,'hw2':88},  
3      'bob':{'hw1':82,'hw2':91},  
4  }  
5  try:  
6      for k, v in sorted(grades.items()):  
7          print(v[hw3])  
8  except TypeError:  
9      print('oops')
```

Fraction of LLMs with correct answer:  $10 / 27 = 0.37$

**Problem 2.** The following code (circle one)

terminates without error

throws an exception

runs forever

If the code terminates without error, write the output. If the code throws an exception, state the exception.

```
1 def bar(xs):
2     assert(len(xs) > 0)
3     return len(xs)*2
4 result = 1
5 try:
6     result += bar([1,2,3])
7     result += bar([2,3])
8     result += bar([])
9     result += bar([5])
10 except AssertionError:
11     pass
12 print('result=', result)
```

Fraction of LLMs with correct answer: 1 / 27 = 0.04

**Problem 3.** The following code (circle one)

terminates without error

throws an exception

runs forever

If the code terminates without error, write the output. If the code throws an exception, state the exception.

```
1 tweets = [
2     { 'text': 'hello', 'username': 'Trump' },
3     { 'text': 'world', 'username': 'Obama' },
4     { 'text': 'hola', 'username': 'Obama' },
5     { 'text': 'mundo', 'name': 'Trump' },
6 ]
7 greetings = ['hello', 'world']
8 num_greetings = '0'
9 for tweet in tweets:
10     if tweet['text'] in greetings:
11         num_greetings += '1'
12 print('num_greetings=', num_greetings)
```

Fraction of LLMs with correct answer: 0 / 27 = 0.00

**Problem 4.** The following code (circle one)

terminates without error

throws an exception

runs forever

If the code terminates without error, write the output. If the code throws an exception, state the exception.

```
1 tweets = [
2     { 'text': 'hello', 'username': 'Trump' },
3     { 'text': 'world', 'username': 'Obama' },
4     { 'text': 'hola', 'username': 'Obama' },
5     { 'text': 'mundo', 'name': 'Trump' },
6 ]
7 greetings = ['hello', 'world']
8 num_greetings = 0
9 for tweet in tweets:
10     if tweet['text'] in greetings:
11         if 'username' == 'Trump':
12             num_greetings += 1
13 print('num_greetings=', num_greetings)
```

Fraction of LLMs with correct answer: 0 / 27 = 0.00

## LLM Model Performance

