Python Quiz: Exceptions

Total Score: $/2^3$

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: 13 / 27 = 0.48

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.

```python
def bar(xs):
    assert(len(xs) > 0)
    return len(xs)*2
result = 1
try:
    result += bar([1,2,3])
    result += bar([2,3])
    result += bar([])
    result += bar([5])
except AssertionError:
    pass
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.

```python
tweets = [
    { 'text': 'hello', 'username': 'Trump' },
    { 'text': 'world', 'username': 'Obama' },
    { 'text': 'hola', 'username': 'Obama' },
    { 'text': 'mundo', 'name': 'Trump' },
]
greetings = ['hello', 'world']
num_greetings = '0'
for tweet in tweets:
    if tweet['text'] in greetings:
        num_greetings += '1'
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