Exceptions Quiz

CSCI040: ~~Computing for the Web~~ Introduction to Hacking

Total Score: /10

Printed Name:

Collaboration Policy:

1. You MAY use any printed or handwritten notes.
2. You MAY NOT use a computer or any other electronic device.
3. You MAY NOT discuss this quiz with another human being who has not completed the quiz. This includes:
   (a) collaborating during the quiz, and
   (b) telling a student in a different section the quiz was easy/hard.

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.

```
for x in [0, 1]:
    if x:
        total += 1
print('total=', total)
```

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.

```
xs = [1, 2, 3, ]
while xs:
    xs.append('test')
    assert('t' in xs)
print('len(xs)=',len(xs))
```

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.

```
xs = [ {'hw1':99,'hw2':88}, {'hw1':82,'hw2':91} ]
alice = 0
bob = 1
try:
    output = grades['alice']['hw2']
except IndexError:
    output += 'oops'
print('output=', output)
```

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.

```
grades={
    'alice':{'hw1':99,'hw2':88},
    'bob':{'hw1':82,'hw2':91},
}
try:
    output = "grade=" + grades['bob']['hw1']
except KeyError:
    output = 'oops'
print('output=', output)
```

Problem 5. 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.

```
grades={
    'alice':{'hw1':99,'hw2':88},
    'bob':{'hw1':82,'hw2':91},
}
try:
    output = "grade="
    output += grades['alice']['hw3']
except IndexError:
    output += 'oops'
print('output=', output)
```