Week 5 Quiz

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

Instructions.

1. Complete each problem without using the computer. You may use your Python cheat sheet or any other class notes, but you may not type the expressions into Python. There is no time limit, but I designed the quiz to be completed in about 10 minutes. *You are encouraged to work with other students.*
2. After you have completed each problem, you will grade your own quiz. To do this, type the code into an interactive Python session, and compare the result the Python gives you with the result that you wrote down. If they match, you get 2 points on the problem, if they don't match, you get 1 point on the problem.
3. Scan your quiz and upload it to sakai. In the text submission, write the score that you achieved.

Problem 1. The following code (circle one)

terminates without error　　generates an error　　runs forever

If the code runs successfully, what is the output?

```
as = [1, 2, 3, 4, 5]
bs = '12345'
print(as == bs)
```

Problem 2. The following code (circle one)

terminates without error　　generates an error　　runs forever

If the code runs successfully, what is the output?

```
as = [1, 2, 3, 4, 5]
bs = '12345'
print(as[-1] == bs[-1])
```

Problem 3. The following code (circle one)

terminates without error generates an error runs forever

If the code runs successfully, what is the output?

```
as = [[1, 2], [3, 4, 5]]
print(as[-1][-2])
```

Problem 4. The following code (circle one)

terminates without error generates an error runs forever

If the code runs successfully, what is the output?

```
as = [[1, 2], [3, 4, 5]]
print(as['1'])
```

Problem 5. The following code (circle one)

terminates without error generates an error runs forever

If the code runs successfully, what is the output?

```
as = [[1, 2], [3, 4, 5]]
while len(as) > 1:
    as[0] = 'break'
print(as)
```