

Week 03 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. What is the output of the following code:

```
x = 2 * 2
y = x // 4
z = y % 5
print("z=", z)
```

Problem 2. What is the output of the following code:

```
print(1 + 2 * 3 ** 4 % 5 // 6)
```

Problem 3. What is the output of the following code:

```
x = 5%4
y = 5//4
if x == 1 and y == 1:
    result = 0
else:
    result = 1
print('result=', result)
```

Problem 4. What is the output of the following code:

```
if -3:
    result = 0
else:
    result = 1
print('result=', result)
```

Problem 5. What is the output of the following code:

```
i = 3
total = 0
while i < 5:
    total = total + i
    i += 1
print('total=', total)
```

Problem 6. What is the output of the following code:

```
total = 0
for i in range(3):
    total = total * 2
print('total=', total)
```

Problem 7. What is the output of the following code:

```
total = 0
for i in range(5, 0, -1):
    total += i
print("total=", total)
```

Problem 8. What is the output of the following code:

```
result = 1
for i in range(5):
    if i > 3:
        result *= 2
    else:
        result *= (-1)
print('result=', result)
```

Problem 9. What is the output of the following code:

```
result = 1
for i in range(5):
    if i <= 3:
        result -= i
    else:
        result += 1
print('result=', result)
```

Problem 10. What is the output of the following code:

```
total = 0
for i in range(0, 10, 2):
    if i%2 == 2 and i<5:
        total += i
print("total=", total)
```