Python Quiz Topic 04: Quiz

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. What is the output of the following python code?

```
accumulator = -99
xs = [23, 50, 22, 99, 123, -4]
for x in xs:
    if x > accumulator:
        accumulator = x
print("accumulator=", accumulator)
```

Fraction of LLMs with correct answer: 13 / 15 = 0.87

Problem 2. What is the output of the following python code?

```
s = 'what␣is␣the␣answer?'
t = s.split()
u = len(t)
print('u=', u)
```

Fraction of LLMs with correct answer: 9 / 15 = 0.60

Problem 3. What is the output of the following python code?

```
s = '\x57o\x72L\x44'
print('s=', s)
```

Fraction of LLMs with correct answer: 3 / 15 = 0.20

Problem 4. What is the output of the following python code?

```
xs = ['there,', "isn't", "[a','syntax]", ']error']
print(xs[3])
```

Fraction of LLMs with correct answer: 7 / 15 = 0.47

Problem 5. What is the output of the following python code?

```
xs = [1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21]
ys = xs[-5:-2:2]
total = sum(ys)
print('total=', total)
```

Fraction of LLMs with correct answer: 3 / 15 = 0.20

Problem 6. What is the output of the following python code?

```
xss = [[1, 3, 5], [2, 4], [0, 1, 2, 3, 4, 5]]
total = 0
for i in range(2):
    total += xss[0][i]
print('total=', total)
```

Fraction of LLMs with correct answer: 13 / 15 = 0.87

Problem 7. What is the output of the following python code?

```
x = 10
def foo(x):
    total = 0
    for i in range(x):
        total += i
    return total
x += foo(1)
x += foo(2)
x += foo(3)
print("x=", x)
```

Fraction of LLMs with correct answer: 0 / 15 = 0.00

Problem 8. What is the output of the following python code?

```
xs = [-2, -1, 0, 1, 2]
accumulator = 0
for x in xs:
    if x:
        accumulator += 1
print('accumulator=', accumulator)
```

Fraction of LLMs with correct answer: 12 / 15 = 0.80

LLM Model Performance