Python Review Quiz (Topic 02, 03, 04)

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?

```
1   accumulator = 99
2   xs = [23, 50, 22, 99, 123, -4]
3   for x in xs:
4       if x < accumulator:
5           accumulator = x
6   print("accumulator=", accumulator)
```

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

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

```
1   s = 'what\tis␣t␣h␣e\n,␣answer?'
2   t = s.split()
3   u = len(t)
4   print('u=', u)
```

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

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

```
1   s = '\x58\x70L\x45'
2   print('s=', s)
```

Fraction of LLMs with correct answer: $11 / 15 = 0.73$

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

```
1  xs = ['there,', "isn't", "[a','syntax]", ']error']
2  print(xs[2])
```

Fraction of LLMs with correct answer: $10 / 15 = 0.67$

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

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

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

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

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

Fraction of LLMs with correct answer: $2 / 15 = 0.13$

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

```
1   x = 10
2   def foo(x):
3       total = 0
4       for i in range(x, 3):
5           total += i
6       return total
7   x += foo(1)
8   x += foo(2)
9   x += foo(3)
10  print("x=", x)
```

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

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

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

Fraction of LLMs with correct answer: $4 \: / \: 15 = 0.27$

LLM Model Performance