Python Quiz: Basics (optional retake)

Total Score: $/2^2$

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?

```python
result = 1
for i in range(-2, 2):
    if i:
        result += i
    else:
        result += 1
print('result=', result)
```

Fraction of LLMs with correct answer: $5 \ / \ 13 = 0.38$

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

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

Fraction of LLMs with correct answer: $10 \ / \ 13 = 0.77$

Problem 3. 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 xs in xss:
4       for i in range(len(xs)):
5           total += xs[i]
6       total += xs[0]
7   print('total=', total)
```

Fraction of LLMs with correct answer: $8 / 13 = 0.62$

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

```
1   def foo(x):
2       total = 0
3       while x:
4           total -= 1
5           x //= 10
6       return total
7   x = foo(100)
8   x = foo(1234567)
9   x += foo(3)
10  print("x=", x)
```

Fraction of LLMs with correct answer: $11 / 13 = 0.85$

LLM Model Performance