

Python Quiz: Basics

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?

```
1  result = 1
2  for i in range(5):
3      if i > 3:
4          result += i
5      else:
6          result += 1
7  print('result=', result)
```

Fraction of LLMs with correct answer: 13 / 13 = 1.00

Problem 2. 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[-2:]
3  total = sum(ys)
4  print('total=', total)
```

Fraction of LLMs with correct answer: 0 / 13 = 0.00

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     total += xs[0]
5     for x in xs:
6         total += x
7 print('total=', total)
```

Fraction of LLMs with correct answer: $7 / 13 = 0.54$

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

```
1 def foo(x):
2     total = 0
3     while x > 0:
4         total = total + x % 10
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: $12 / 13 = 0.92$

LLM Model Performance

