

# 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: 9 / 13 = 0.69

**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: 9 / 13 = 0.69

**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:  $6 / 13 = 0.46$

**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:  $11 / 13 = 0.85$

## LLM Model Performance

