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?

```
1   s = 'python is awesome'
2   if 'awe' in s:
3       print('True')
4   else:
5       print('False')
```

Fraction of LLMs with correct answer: 14 / 15 = 0.93

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

```
1   s = 'python\tis awesome'
2   t = s.split()
3   u = t[1]
4   print('u=', u)
```

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

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

```
1   print(0x61)
```

Fraction of LLMs with correct answer: 14 / 15 = 0.93

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

```
1   b = "a" > 'B'
2   print('b=', b)
```

Fraction of LLMs with correct answer: $8 / 15 = 0.53$

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[-2:-5]
3   total = sum(ys)
4   print('total=', total)
```

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

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][1]
5   print('total=', total)
```

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

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

```
1   def foo(x):
2       total = x + 1
3       return total
4   x = foo(1)
5   x += foo(2)
6   x += foo(3)
7   print("x=", x)
```

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

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

```python
xs = [1, 3, 5, 7]
total = 0
for x in xs:
    total += 1
print('total=', total)
```

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

LLM Model Performance