

Topic 04: Python Strings

Problem 1. What is the output of the following python code?

```
1 s = 'hello_world'
2 print(s[:-6])
```

Fraction of LLMs with correct answer: 15 / 19 = 0.79

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

```
1 s = '12345'
2 xs = [1, 2, 3, 4, 5]
3 b = s[-1] == xs[-1]
4 print('b=', b)
```

Fraction of LLMs with correct answer: 14 / 19 = 0.74

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

```
1 s = 'hello'
2 xs = ['h', 'e', 'l', 'l', 'o']
3 b = s[-2:] == xs[-2:]
4 print('b=', b)
```

Fraction of LLMs with correct answer: 6 / 19 = 0.32

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

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

Fraction of LLMs with correct answer: 18 / 19 = 0.95

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

```
1 s = 'python_is_awesome'
2 if 'Python' in s:
3     print('True')
4 else:
5     print('False')
```

Fraction of LLMs with correct answer: 17 / 19 = 0.89

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

```
1 s = 'python_is_awesome'
2 t = s.replace('python', 'everything')
3 print('t=', t)
```

Fraction of LLMs with correct answer: 18 / 19 = 0.95

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

```
1 s = 'Python_is_awesome'
2 s.replace('python', 'everything')
3 print('s=', s)
```

Fraction of LLMs with correct answer: 18 / 19 = 0.95

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

```
1 s = 'python_is_awesome'
2 t = s.split()
3 u = t[-1]
4 print('u=', u)
```

Fraction of LLMs with correct answer: 17 / 19 = 0.89

Problem 9. What is the output of the following python code?

```
1 s = 'python\nis\tawesome'
2 t = s.split()
3 u = '_' .join(t)
4 print('u=', u)
```

Fraction of LLMs with correct answer: 18 / 19 = 0.95

Problem 10. What is the output of the following python code?

```
1 s = 'python_is\tawesome'
2 t = s.split('_')
3 u = t[1]
4 print('u=', u)
```

Fraction of LLMs with correct answer: $5 / 19 = 0.26$

Problem 11. What is the output of the following python code?

```
1 s = 'python_is_awesome'
2 t = s.split('o')
3 u = 'XXX'.join(t)
4 print('u=', u)
```

Fraction of LLMs with correct answer: $12 / 19 = 0.63$

Problem 12. What is the output of the following python code?

```
1 s = 'guido_van_rossum'
2 i = s.find('_')
3 t = s[:i]
4 print('t=', t)
```

Fraction of LLMs with correct answer: $17 / 19 = 0.89$

Problem 13. What is the output of the following python code?

```
1 s = 'guido_van_rossum'
2 i = s.find('G')
3 t = s[:i]
4 print('t=', t)
```

Fraction of LLMs with correct answer: $2 / 19 = 0.11$

Problem 14. What is the output of the following python code?

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

Fraction of LLMs with correct answer: $19 / 19 = 1.00$

Problem 15. What is the output of the following python code?

```
1  b = "\"_>_'\n'  
2  _print('b=',_b)
```

Fraction of LLMs with correct answer: $19 / 19 = 1.00$

Problem 16. What is the output of the following python code?

```
1  s = 'Guido_van_Rossum'  
2  xs = s.split()  
3  xs.sort()  
4  print('xs=', xs)
```

Fraction of LLMs with correct answer: $16 / 19 = 0.84$

Problem 17. What is the output of the following python code?

```
1  s = 'Guido_van_rossum'  
2  xs = s.split()  
3  xs.sort()  
4  print('xs=', xs)
```

Fraction of LLMs with correct answer: $15 / 19 = 0.79$

Problem 18. What is the output of the following python code?

```
1  print(0b1010)
```

Fraction of LLMs with correct answer: $17 / 19 = 0.89$

Problem 19. What is the output of the following python code?

```
1  print(0o110)
```

Fraction of LLMs with correct answer: $17 / 19 = 0.89$

Problem 20. What is the output of the following python code?

```
1 print(0x0010)
```

Fraction of LLMs with correct answer: $18 / 19 = 0.95$

Problem 21. What is the output of the following python code?

```
1 s = '\x48\x45\x4C\x4C\x4F'
2 print('s=', s)
```

Fraction of LLMs with correct answer: $18 / 19 = 0.95$

Problem 22. What is the output of the following python code?

```
1 s = '\x57o\x72L\x44'
2 print('s=', s)
```

Fraction of LLMs with correct answer: $4 / 19 = 0.21$

Problem 23. What is the output of the following python code?

```
1 x = ' ">'
2 print('x=', x)
```

Fraction of LLMs with correct answer: $2 / 19 = 0.11$

Problem 24. What is the output of the following python code?

```
1 x = '">'
2 print('x=', x)
```

Fraction of LLMs with correct answer: $7 / 19 = 0.37$

Problem 25. 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: $1 / 19 = 0.05$

Problem 26. What is the output of the following python code?

```
1 xs = ['there, ', "isn't", "[a', 'syntax]', ']'error']  
2 print(xs[3])
```

Fraction of LLMs with correct answer: 0 / 19 = 0.00

LLM Model Performance

