

# Python Quiz: Strings

**Total Score:**            /2<sup>2</sup>

**Printed Name:**

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## 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 s.replace('python', 'everything')  
3 print('s=', s)
```

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

**Problem 2.** 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: 6 / 13 = 0.46

**Problem 3.** 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: 13 / 13 = 1.00

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

```
1 def compile_italic_star(line):
2     result = ''
3     i = 0
4     while i < len(line):
5         if line[i] == '*':
6             end = line.find('*', i+1)
7             if end != -1:
8                 result += '<i>' + line[i+1:end] + '</i>'
9                 i = end + 1
10            else:
11                i += 1
12        else:
13            result += line[i]
14            i += 1
15    return result
16 result = compile_italic_star('alpha_*beta*_*gamma*_*delta')
17 print(result)
```

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

## LLM Model Performance

