Python Quiz Markdown Problems

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?

```
def compile_italic_star(line):
    result = ''
    i = 0
    while i < len(line):
        if line[i] == '**':
            if i + 1 < len(line) and '*' in line[i+1:]:
                end = line.find('*', i+1)
                result += '<i>' + line[i+1:end] + '</i>'
                i = end + 1
            else:
                result += '*'
                i += 1
        else:
            result += line[i]
            i += 1
    return result
result = compile_italic_star('alpha␣*beta*␣gamma␣*delta')
print(result)
```

Fraction of LLMs with correct answer: 5 / 15 = 0.33

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

```
def compile_italic_star(line):
    result = ''
    i = 0
    while i < len(line):
        if line[i] == '*':
            end = line.find('*', i+1)
            if end != -1:
                result += '<i>' + line[i+1:end] + '</i>'
                i = end + 1
            else:
                i += 1
        else:
            result += line[i]
            i += 1
    return result
result = compile_italic_star('alpha␣*beta␣gamma␣delta*')
print(result)
```

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

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

```
def compile_bold_stars(line):
    start = line.find('**')
    if start == -1 or len(line) < 4:
        return line
    end = line[start + 2:].find('**')
    if end == -1:
        return line
    end = end + start + 2
    return line[:start] + '<b>' + line[start + 2:end] + '</b>' + line[end + 2:]
result = compile_bold_stars('*alpha*␣**beta**␣**gamma**␣**delta')
print(result)
```

Fraction of LLMs with correct answer: 5 / 15 = 0.33

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

```
def compile_italic_underscore(line):
    newline = ''
    is_italic = False
    for x in line:
        if x == '_' and not is_italic:
            newline = newline + '<i>'
            is_italic = True
        elif x == '_' and is_italic:
            newline = newline + '</i>'
        else:
            newline = newline + x
    return newline
result = compile_italic_underscore('_alpha_␣beta␣_gamma␣delta')
print(result)
```

Fraction of LLMs with correct answer: 0 / 15 = 0.00

LLM Model Performance