Quiz: Shell Topics 06 (optional retake)

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. Write the output of the final command in the following shell script.

```
1  $ cd; rm -rf quiz; mkdir quiz; cd quiz
2  $ for file in "a b" 'c $(echo hello world) d' "e f"; do touch '$file'; done
3  $ ls | wc -l
```

Fraction of LLMs with correct answer: $11 / 13 = 0.85$

Problem 2. Write the output of the final command in the following shell script.

```
1   $ cd; rm -rf quiz; mkdir quiz; cd quiz
2   $ git init
3   $ touch hello .world
4   $ touch salve .munde
5   $ git add *
6   $ git commit -m "first commit"
7   $ git checkout -b foo
8   $ touch *
9   $ git add .
10  $ git commit -m 'second commit'
11  $ git checkout master
12  $ git checkout -b bar
13  $ echo "print('hello world')" > bar.py
14  $ git add .
15  $ git commit -m "third commit"
16  $ git checkout master
17  $ ls -a | wc -l
```

Fraction of LLMs with correct answer: $6 / 13 = 0.46$

Problem 3. Write the output of the final command in the following shell script.

```
1  $ cd; rm -rf quiz; mkdir quiz; cd quiz
2  $ git init
3  $ echo evil > -a
4  $ touch hola mundo
5  $ touch test/hello world
6  $ touch test/'.salve .munde'
7  $ cd test
8  $ git add .
9  $ git commit -m 'first commit'
10 $ for i in *; do git add $i; done
11 $ git commit -m 'second commit'
12 $ git checkout -b foo
13 $ git add .
14 $ git commit -m 'second commit'
15 $ cd "$HOME/quiz"
16 $ ls -a | wc -l
```

Fraction of LLMs with correct answer: 5 / 13 = 0.38

Problem 4. Write the output of the final command in the following shell script.

```
1  $ cd; rm -rf quiz; mkdir quiz; cd quiz
2  $ cat > logs <<EOF
3  INFO: blah
4  INFO: blah
5  ERROR: blah blah blah
6  INFO: blah
7  EOF
8  $ cat logs | grep 'ERROR' > /dev/null && echo 'hello world' > foo
9  $ ls
```

Fraction of LLMs with correct answer: 10 / 13 = 0.77

LLM Model Performance

A horizontal bar chart titled "LLM Model Performance" showing Score (%) on the x-axis (0 to 100) for various models:

Model	Score (%)
openrouter-x-ai-grok-code-fast-1	75
openrouter-x-ai-grok-4	75
openrouter-google-gemini-3-pro-preview	100
openrouter-google-gemini-3-flash-preview	25
openrouter-google-gemini-2.5-pro	75
o3-mini	50
o3	100
groq-llama-3.3-70b	25
gpt-5.2	75
gpt-5.1	25
anthropic-claude-opus-4-5-20251101	75
anthropic-claude-opus-4-1-20250805	50
anthropic-claude-opus-4-0	50