

Quiz: Shell Topics 05, 06

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 $ message="hello world"
3 $ cat > quiz.py <<'EOF'
4 import os
5 print(os.getenv('message', 'hola mundo'))
6 EOF
7 $ python3 quiz.py
```

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

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

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ message="hello world"
3 $ cat > quiz.sh <<EOF
4 message="hola mundo"
5 EOF
6 $ source quiz.sh
7 $ echo "$message"
```

Fraction of LLMs with correct answer: $1 / 19 = 0.05$

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 "print('hello world')" >> foo.py
4 $ echo 'print("hola mundo")' > bar.py
5 $ git add bar.py
6 $ git commit -m "first commit"
7 $ git branch bar
8 $ git checkout bar
9 $ echo "print('hello again')" > bar.py
10 $ git add foo.py
11 $ git add bar.py
12 $ git commit -m "second commit"
13 $ git checkout master
14 $ echo "print('hola otra vez')" >> bar.py
15 $ python3 bar.py
```

Fraction of LLMs with correct answer: $8 / 19 = 0.42$

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

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ touch hello world
3 $ touch 'hola mundo'
4 $ touch salve munde
5 $ for i in "*"; do echo $i; done | wc -l
```

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

Problem 5. Write the output of the final command in the following shell script.

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ mkdir -- -a
3 $ echo evil > -a/evil
4 $ ls *
```

Fraction of LLMs with correct answer: $1 / 19 = 0.05$

Problem 6. 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 $ mkdir test
4 $ touch hola mundo
5 $ touch test/'hello world'
6 $ touch test/' .salve .munde'
7 $ cd test
8 $ for i in *; do git add $i; done
9 $ git commit -m 'first commit'
10 $ git checkout -b foo
11 $ git add .
12 $ git commit -m 'second commit'
13 $ ls -a
```

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

Problem 7. Write the output of the final command in the following shell script.

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ foo='hello'
3 $ [ "$foo" = 'hello' ] || echo $foo > foo
4 $ ls | wc -l
```

Fraction of LLMs with correct answer: 11 / 19 = 0.58

Problem 8. 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 WARNING: blah blah blah
6 INFO: blah
7 EOF
8 $ cat logs | grep 'ERROR' || echo 'hello world' > foo
9 $ ls
```

Fraction of LLMs with correct answer: 13 / 19 = 0.68

LLM Model Performance

