

Shell Review Quiz

Total Score: $/2^4$

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', "$message"))
6 EOF
7 $ python3 quiz.py
```

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

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 $ message="salve munde" touch test
4 $ cat > "quiz.sh" <<EOF
5 export message='hola mundo'
6 EOF
7 $ . quiz.sh
8 $ echo "$message"
```

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

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 foo
8 $ git checkout foo
9 $ echo "print('hello again')" >> bar.py
10 $ git add *.py
11 $ git commit -m "second commit"
12 $ git checkout master
13 $ echo "print('hola otra vez')" > bar.py
14 $ python3 bar.py
```

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

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 $(ls); do echo '$i'; done | wc -l
```

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

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 'test/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 $ git checkout master
14 $ ls -a
```

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

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: 6 / 19 = 0.32

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 'INFO' || echo 'hello world' > foo
9 $ ls
```

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

LLM Model Performance

