Quiz: Shell Topics 03, 04

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 $ cat <<EOF
3 I have made the review problems easy.
4 So that you have more time for the quiz makeup.
5 If you would like :)
6 EOF
7 $ echo de nada
```

Fraction of LLMs with correct answer: 11 / 17 = 0.65

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

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ echo big data translated to latin is
3 $ echo data magna
```

Fraction of LLMs with correct answer: 16 / 17 = 0.94

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

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ echo big data point translated to latin is
3 $ echo datum magnum
```

Fraction of LLMs with correct answer: 15 / 17 = 0.88

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 > zen_of_python_by_tim_peters <<EOF
3  Beautiful is better than ugly.
4  Explicit is better than implicit.
5  Simple is better than complex.
6  Complex is better than complicated.
7  Flat is better than nested.
8  Sparse is better than dense.
9  Readability counts.
10 Special cases aren't special enough to break the rules.
11 Although practicality beats purity.
12 Errors should never pass silently.
13 Unless explicitly silenced.
14 In the face of ambiguity, refuse the temptation to guess.
15 There should be one-- and preferably only one --obvious way to do it.
16 Although that way may not be obvious at first unless you're Dutch.
17 Now is better than never.
18 Although never is often better than *right* now.
19 If the implementation is hard to explain, it's a bad idea.
20 If the implementation is easy to explain, it may be a good idea.
21 Namespaces are one honking great idea -- let's do more of those!
22 EOF
23 $ echo PEP20
```

Fraction of LLMs with correct answer: $16 / 17 = 0.94$

Problem 5. 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: $2 / 17 = 0.12$

Problem 6. Write the output of the final command in the following shell script.

```
1  $ cd; rm -rf quiz; mkdir quiz; cd quiz
2  $ foo='hola'
3  $ cat > quiz.sh <<'EOF'
4  foo='hello'
5  bar='salve'
6  if ! true || [ "$bar" != "salve" ]; then
7      touch if
8  else
9      touch else
10 fi
11 EOF
12 $ sh quiz.sh
13 $ ls
```

Fraction of LLMs with correct answer: 5 / 17 = 0.29

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='hola'
3  $ [ "$foo" = 'hello' ] || echo $foo > false
4  $ ls
```

Fraction of LLMs with correct answer: 12 / 17 = 0.71

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  ERROR: blah blah blah
6  INFO: blah
7  EOF
8  $ cat > quiz.sh <<'EOF'
9  if cat logs | grep ERROR > /dev/null; then
10     touch if
11 fi
12 EOF
13 $ sh quiz.sh
14 $ ls
```

Fraction of LLMs with correct answer: 11 / 17 = 0.65

LLM Model Performance