

Quiz: POSIX 1 + 2

Total Score: $/2^3$ (each problem worth 1 point, 8 problems)

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 terminal session. If the command has no output, then leave the problem blank.

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ echo hello world >> README
3 $ echo 'hola mundo' >> README
4 $ echo "salve munde" >> README
5 $ cat README | grep 'o' | wc -l
```

Problem 2. Write the output of the final command in the following terminal session. If the command has no output, then leave the problem blank.

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ var=$(echo "$(echo echo) echo")
3 $ touch $var
4 $ ls | wc -l
```

Problem 3. Write the output of the final command in the following terminal session. If the command has no output, then leave the problem blank.

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

Problem 4. Write the output of the final command in the following terminal session. If the command has no output, then leave the problem blank.

```
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
```

Problem 5. Write the output of the final command in the following terminal session. If the command has no output, then leave the problem blank.

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

Problem 6. Write the output of the final command in the following terminal session. If the command has no output, then leave the problem blank.

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ foo='hola'
3 $ [ $foo = "hola" ] || echo $foo > line1
4 $ [ $foo = "hola" ] && echo $foo > line2
5 $ [ "$foo" = "hola" ] || echo $foo > line3
6 $ [ "$foo" = "hola" ] && echo $foo > line4
7 $ [ '$foo' = "hola" ] || echo $foo > line5
8 $ [ '$foo' = "hola" ] && echo $foo > line6
9 $ ls | wc -l
```

Problem 7. Write the output of the final command in the following terminal session. If the command has no output, then leave the problem blank.

```
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
```

Problem 8. Write the output of the final command in the following terminal session. If the command has no output, then leave the problem blank.

```
1 $ cd; rm -rf quiz; mkdir quiz; cd quiz
2 $ cat > logs <<EOF
3 INFO: blah
4 ERROR: blah blah blah blah blah
5 INFO: blah blah WARNING blah blah
6 EOF
7 $ cat > quiz.sh <<EOF
8 if cat logs | grep ERROR > /dev/null; then
9     touch error
10 fi
11 if cat logs | grep WARNING > /dev/null; then
12     touch warning
13 fi
14 if cat logs | grep INFO > /dev/null; then
15     touch info
16 fi
17 EOF
18 $ sh quiz.sh
19 $ ls
```