

Quiz Practice: POSIX Shell 1

Note 1. I will generate new problems by: (1) changing the type of quotation mark, (2) removing/adding quotation marks.

1 Pipes

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 'hello'
```

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 $ echo 'hello world' >> README
3 $ echo 'hola mundo' >> README
4 $ echo 'salve munde' >> README
5 $ cat README | grep 'h'
```

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 $ echo 'hello world' >> README
3 $ echo 'hola mundo' >> README
4 $ echo 'salve munde' >> README
5 $ cat README | grep 'h' | 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 $ echo 'hello world' >> README
3 $ echo 'hola mundo' >> README
4 $ echo 'salve munde' >> README
5 $ cat README | grep 'h.*a'
```

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 $ echo 'hello world' >> README
3 $ echo 'hola mundo' >> README
4 $ echo 'salve munde' >> README
5 $ cat README | grep -E 'h|a'
```

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 $ touch hello_world
3 $ touch hola_mundo
4 $ touch salve_munde
5 $ 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 $ touch hello_world
3 $ touch hola_mundo
4 $ touch salve_munde
5 $ ls | grep 'h.*a' | wc -l
```

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 $ touch hello_world
3 $ touch hola_mundo
4 $ touch salve_munde
5 $ ls | grep -E 'h|a' | wc -l
```

Problem 9. 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 $ touch hello world
3 $ touch hola mundo
4 $ touch salve munde
5 $ ls | grep 'h.*a' | wc -l
```

Problem 10. 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 $ touch hello world
3 $ touch hola mundo
4 $ touch salve munde
5 $ ls | grep -E 'h|a' | wc -l
```

2 Variables

Problem 11. 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="hello world"
3 $ touch $var
4 $ ls | wc -l
```

Problem 12. 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="hello world"
3 $ touch "$var"
4 $ ls
```

Problem 13. 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="hello world"
3 $ touch '$var'
4 $ ls
```

Problem 14. 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 hello world`
3 $ touch "$var"
4 $ ls | wc -l
```

Problem 15. 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 hello world)
3 $ touch "$var"
4 $ ls | wc -l
```

Problem 16. 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)
3 $ touch "$var"
4 $ ls | wc -l
```

Problem 17. 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) "
3 $ touch "$var"
4 $ ls
```

Problem 18. 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) '
3 $ touch "$var"
4 $ ls
```

Problem 19. 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))
3 $ touch "$var"
4 $ ls | wc -l
```

Problem 20. 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)')
3 $ touch "$var"
4 $ ls
```

Problem 21. 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)))
3 $ touch "$var"
4 $ ls | wc -l
```

Problem 22. 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)
3 $ touch "$var"
4 $ ls | wc -l
```

Problem 23. 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
3 $ touch "$var"
4 $ ls | wc -l
```

3 For loops

Problem 24. 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 25. 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 26. 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 27. 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 28. 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 29. 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 30. 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 31. 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
```