

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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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. Do not provide any additional information, such as explanations. If the command has no output, then do not write anything.

```
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
```