Shell Topic 06: git

Note 1. You are responsible for understanding the effects of the following git commands: `git add`, `git commit -m`, `git branch`, `git checkout`, and `git checkout -b`.

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

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ echo "print('hello world')" > foo.py
$ git add foo.py
$ git commit -m "added foo"
$ git branch foo
$ git checkout foo
$ echo "print('hola mundo')" >> foo.py
$ git add foo.py
$ git commit -m "modified foo"
$ git checkout master
$ python3 foo.py
```

Fraction of LLMs with correct answer: 24 / 31 = 0.77

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

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ echo "print('hello world')" > foo.py
$ echo "print('hola mundo')" > bar.py
$ git add foo.py
$ git commit -m "first commit"
$ git branch foo
$ git checkout foo
$ echo "print('hello again')" >> foo.py
$ git add foo.py
$ git add bar.py
$ git commit -m "second commit"
$ git checkout master
$ echo "print('hola otra vez')" >> bar.py
$ python3 bar.py
```

Fraction of LLMs with correct answer: 6 / 31 = 0.19

Problem 4. Write the output of the final command in the following shell script.

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ echo "print('hello world')" > foo.py
$ echo "print('hola mundo')" > bar.py
$ git add foo.py
$ git commit -m "first commit"
$ git branch foo
$ git checkout foo
$ echo "print('hello again')" >> foo.py
$ git add foo.py
$ git add bar.py
$ git commit -m "second commit"
$ git checkout master
$ echo "print('hola otra vez')" >> bar.py
$ python3 bar.py
```

Fraction of LLMs with correct answer: 7 / 31 = 0.23

Note 5. It is common in practice to combine git commands with other shell constructs like the glob. This can lead to many subtle errors (and potential security concerns when using other people's projects).

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

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ touch hello world
$ touch .salve .munde
$ git add *e*
$ git commit -m 'first commit'
$ git checkout -b foo
$ git add *
$ git commit -m 'second commit'
$ git checkout master
$ git checkout -b bar
$ git add .
$ git commit -m 'third commit'
$ git checkout master
$ ls -a
```

Fraction of LLMs with correct answer: 4 / 31 = 0.13

Problem 7. Write the output of the final command in the following shell script.

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ touch hello world
$ touch .salve .munde
$ git add .
$ git commit -m 'first commit'
$ git checkout -b foo
$ touch '*'
$ git add *
$ git commit -m 'second commit'
$ git checkout master
$ git checkout -b bar
$ echo "help me" > test
$ git add *
$ git commit -m 'third commit'
$ git checkout foo
$ ls -a
```

Fraction of LLMs with correct answer: 1 / 31 = 0.03

Problem 8. Write the output of the final command in the following shell script.

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ mkdir test
$ touch test/hello world
$ touch test/.salve .munde
$ cd test
$ git add .*
$ git commit -m 'first commit'
$ git checkout -b foo
$ git add .
$ git commit -m 'second commit'
$ git checkout master
$ ls -a
```

Fraction of LLMs with correct answer: 5 / 31 = 0.16

Problem 9. Write the output of the final command in the following shell script.

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ mkdir test
$ touch hola mundo
$ touch test/'hello world'
$ touch test/'.salve .munde'
$ cd test
$ for i in *; do git add $i; done
$ git commit -m 'first commit'
$ git checkout -b foo
$ git add .
$ git commit -m 'second commit'
$ ls -a
```

Fraction of LLMs with correct answer: 15 / 31 = 0.48

Problem 10. Write the output of the final command in the following shell script.

```
$ cd; rm -rf quiz; mkdir quiz; cd quiz
$ git init
$ echo evil > -a
$ touch hola mundo
$ touch test/'hello world'
$ touch test/'.salve .munde'
$ cd test
$ git add .
$ git commit -m 'first commit'
$ git checkout -b foo
$ git add ..
$ git commit -m 'second commit'
$ cd $HOME/quiz
$ git checkout master
$ ls *
```

Fraction of LLMs with correct answer: 2 / 31 = 0.06

LLM Model Performance