How does Git actually work?

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they/them

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What does git init do?

What does git init do?

Before:

After:

.git/config

.git/description

.git/HEAD

.git/hooks/

.git/info/exclude

What happens when I git add?

What happens when I git add?

Before:

.git/config

.git/description

.git/HEAD

.git/hooks/

.git/info/exclude

After:

... all those, and:

.git/index

.git/3d/16dec17e094468d6...

What is a commit?

What is a commit?

Before:

.git/index

.git/3d/16dec17e094468d6...

.git/HEAD

...

After:

.git/index – updated

.git/COMMIT_EDITMSG

.git/logs/HEAD

.git/logs/refs/heads/master

.git/refs/heads/master

... all the others + more objects

Why does git checkout do so many different things?

Why does git checkout do so many different things?

Before:

.git/HEAD:

ref: refs/heads/master

.git/index

.git/logs/HEAD

hello.py

After:

.git/HEAD

27df28233d9239bdb7a3...

.git/index – updated

.git/logs/HEAD – updated

hello.py - updated

Is Git "secure"? What do you mean?

Which line-ending style is right?

Can you live-code a Git repo by hand?

Questions?

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