

mkdir("objects/xx")
creat("objects/xx/tmp_yy")
N x append("objects/xx/tmp_yy")
↳ *fsync("objects/xx/tmp_yy")*
↓
link("objects/xx/tmp_yy" →
"objects/xx/yy")
unlink("objects/xx/tmp_yy")

(a)

creat("index.lock")
store object file corresponding to file1
↓
store object file corresponding to file2
↓
append("index.lock")
rename("index.lock" → "index")
↓
stdout("finished add")

(b)

store object file
↓
store object file
↓
creat("...master.lock")
2 x append("...master.lock")
append("logs/../master")
append("logs/HEAD")
rename("...master.lock"
→ "refs/heads/master")
↓
stdout("finished commit")

(c)