Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT

$ git config --list

http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt

http.sslbackend=openssl

diff.astextplain.textconv=astextplain

filter.lfs.clean=git-lfs clean -- %f

filter.lfs.smudge=git-lfs smudge -- %f

filter.lfs.process=git-lfs filter-process

filter.lfs.required=true

credential.helper=manager-core

add.interactive.usebuiltin=true

core.autocrlf=true

core.fscache=true

core.symlinks=false

pull.rebase=false

credential.https://dev.azure.com.usehttppath=true

init.defaultbranch=master

user.name=Rhishabh

user.email=rhishabh\_hattarki@persistent.com

filter.lfs.clean=git-lfs clean -- %f

filter.lfs.smudge=git-lfs smudge -- %f

filter.lfs.process=git-lfs filter-process

filter.lfs.required=true

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT

$ git config --global user.name "Rhishabh"

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT

$ git config --global user.email "

> ^C

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT

$ git config --global user.email "rhishabh\_hattarki@persistent.com"

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT

$ git config --list

http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt

http.sslbackend=openssl

diff.astextplain.textconv=astextplain

filter.lfs.clean=git-lfs clean -- %f

filter.lfs.smudge=git-lfs smudge -- %f

filter.lfs.process=git-lfs filter-process

filter.lfs.required=true

credential.helper=manager-core

add.interactive.usebuiltin=true

core.autocrlf=true

core.fscache=true

core.symlinks=false

pull.rebase=false

credential.https://dev.azure.com.usehttppath=true

init.defaultbranch=master

user.name=Rhishabh

user.email=rhishabh\_hattarki@persistent.com

filter.lfs.clean=git-lfs clean -- %f

filter.lfs.smudge=git-lfs smudge -- %f

filter.lfs.process=git-lfs filter-process

filter.lfs.required=true

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT

$ ls

File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT

$ git init

Initialized empty Git repository in C:/Users/Rhishabh/Documents/Persistent\_Systems/GIT/.git/

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ll

total 1

-rw-r--r-- 1 Rhishabh 197121 12 Feb 3 12:24 File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls -l

total 1

-rw-r--r-- 1 Rhishabh 197121 12 Feb 3 12:24 File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls

File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

File.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git add File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git commit -m "WI1:File created, hello world"

[master (root-commit) 6ecf617] WI1:File created, hello world

1 file changed, 1 insertion(+)

create mode 100644 File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: File.txt

no changes added to commit (use "git add" and/or "git commit -a")

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git add .

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: File.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git commit -m "WI1:File updated - added new line for hello World Returns"

[master 84dcbaf] WI1:File updated - added new line for hello World Returns

1 file changed, 3 insertions(+), 1 deletion(-)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

commit 6ecf6175b8cdb75fb45dc9e2dd57a6fe7a3732b2

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:42:43 2021 +0530

WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

84dcbaf (HEAD -> master) WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log -2

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

commit 6ecf6175b8cdb75fb45dc9e2dd57a6fe7a3732b2

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:42:43 2021 +0530

WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log -1

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log -1 --oneline

84dcbaf (HEAD -> master) WI1:File updated - added new line for hello World Returns

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log -3 --oneline

84dcbaf (HEAD -> master) WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --author="Rhi"

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

commit 6ecf6175b8cdb75fb45dc9e2dd57a6fe7a3732b2

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:42:43 2021 +0530

WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --author="Rhi" --oneline

84dcbaf (HEAD -> master) WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --since="02/03/2021"

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --since="02/02/2021"

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

commit 6ecf6175b8cdb75fb45dc9e2dd57a6fe7a3732b2

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:42:43 2021 +0530

WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ date

Wed Feb 3 13:02:53 IST 2021

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --until="02/02/2021"

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --until="02/03/2021"

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

commit 6ecf6175b8cdb75fb45dc9e2dd57a6fe7a3732b2

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:42:43 2021 +0530

WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --grep="WI1"

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

commit 6ecf6175b8cdb75fb45dc9e2dd57a6fe7a3732b2

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:42:43 2021 +0530

WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --help

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log help

fatal: ambiguous argument 'help': unknown revision or path not in the working tree.

Use '--' to separate paths from revisions, like this:

'git <command> [<revision>...] -- [<file>...]'

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git add --help

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git diff

**diff --git a/File.txt b/File.txt**

**index 243bc2c..7499902 100644**

**--- a/File.txt**

**+++ b/File.txt**

@@ -1,3 +1,5 @@

Hello World!

-Hello World Returns!

\ No newline at end of file

+Hello World Returns!

+

+next change

\ No newline at end of file

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: File.txt

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

test.txt

no changes added to commit (use "git add" and/or "git commit -a")

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: File.txt

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

test.txt

to\_ignore\_test.jar

no changes added to commit (use "git add" and/or "git commit -a")

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: File.txt

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

test.txt

no changes added to commit (use "git add" and/or "git commit -a")

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git commit -am "WI2: File updated with random lines"

[master facb568] WI2: File updated with random lines

1 file changed, 3 insertions(+), 1 deletion(-)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git add -A

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: .gitignore

new file: test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore --staged test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: .gitignore

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git commit -m "Config: gitignore - added ignore for jar and class"

[master 5e0a81e] Config: gitignore - added ignore for jar and class

1 file changed, 2 insertions(+)

create mode 100644 .gitignore

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git add test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git commit -m "WI2: test added file"

[master be552a0] WI2: test added file

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

deleted: test.txt

no changes added to commit (use "git add" and/or "git commit -a")

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git add test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

deleted: test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git commit -m "WI3: test - removed due to so and so"

[master 34b03b9] WI3: test - removed due to so and so

1 file changed, 0 insertions(+), 0 deletions(-)

delete mode 100644 test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log

commit 34b03b9b23ca53ddb23d0dda3d42d64ee2415276 (HEAD -> master)

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 14:50:44 2021 +0530

WI3: test - removed due to so and so

commit be552a0661e649dff285fc4a6f9c823edfc1d62d

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 14:43:06 2021 +0530

WI2: test added file

commit 5e0a81e4735b5495b1b81350f9b9264f639294b4

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 14:42:45 2021 +0530

Config: gitignore - added ignore for jar and class

commit facb5686b0f22c0639296c3c42c0f3a836577925

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 14:41:23 2021 +0530

WI2: File updated with random lines

commit 84dcbaf528965a56c7db88c19c31702cc6754ee6

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:47:56 2021 +0530

WI1:File updated - added new line for hello World Returns

commit 6ecf6175b8cdb75fb45dc9e2dd57a6fe7a3732b2

Author: Rhishabh <rhishabh\_hattarki@persistent.com>

Date: Wed Feb 3 12:42:43 2021 +0530

WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout ^C

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout be552a0661e649dff285fc4a6f9c823edfc1d62d

error: pathspec 'be552a0661e649dff285fc4a6f9c823edfc1d62d' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout be552a0

Note: switching to 'be552a0'.

You are in 'detached HEAD' state. You can look around, make experimental

changes and commit them, and you can discard any commits you make in this

state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may

do so (now or later) by using -c with the switch command. Example:

git switch -c <new-branch-name>

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at be552a0 WI2: test added file

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ git log --oneline

be552a0 (HEAD) WI2: test added file

5e0a81e Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ git checkout master

Previous HEAD position was be552a0 WI2: test added file

Switched to branch 'master'

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout be552a0

Note: switching to 'be552a0'.

You are in 'detached HEAD' state. You can look around, make experimental

changes and commit them, and you can discard any commits you make in this

state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may

do so (now or later) by using -c with the switch command. Example:

git switch -c <new-branch-name>

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at be552a0 WI2: test added file

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ git log --oneline

be552a0 (HEAD) WI2: test added file

5e0a81e Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ ls

File.txt test.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ touch nonmaster.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ ls

File.txt nonmaster.txt test.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ git status

HEAD detached at be552a0

Untracked files:

(use "git add <file>..." to include in what will be committed)

nonmaster.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ git add .

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ git status

HEAD detached at be552a0

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: nonmaster.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((be552a0...))

$ git commit -m "WI4: nonmaster.txt added file"

[detached HEAD a3e9a86] WI4: nonmaster.txt added file

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 nonmaster.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((a3e9a86...))

$ git status

HEAD detached from be552a0

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((a3e9a86...))

$ ls

File.txt nonmaster.txt test.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((a3e9a86...))

$ git log --oneline

a3e9a86 (HEAD) WI4: nonmaster.txt added file

be552a0 WI2: test added file

5e0a81e Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((a3e9a86...))

$ git checkout master

Warning: you are leaving 1 commit behind, not connected to

any of your branches:

a3e9a86 WI4: nonmaster.txt added file

If you want to keep it by creating a new branch, this may be a good time

to do so with:

git branch <new-branch-name> a3e9a86

Switched to branch 'master'

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls

File.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ll

total 1

-rw-r--r-- 1 Rhishabh 197121 51 Feb 3 14:25 File.txt

-rw-r--r-- 1 Rhishabh 197121 0 Feb 3 14:33 to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git tag V1.1

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git tag V1.0 5e0a81e

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git tag

V1.0

V1.1

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout V1.0

Note: switching to 'V1.0'.

You are in 'detached HEAD' state. You can look around, make experimental

changes and commit them, and you can discard any commits you make in this

state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may

do so (now or later) by using -c with the switch command. Example:

git switch -c <new-branch-name>

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 5e0a81e Config: gitignore - added ignore for jar and class

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.0))

$ git log --oneline

5e0a81e (HEAD, tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.0))

$ git checkout V1.1

Previous HEAD position was 5e0a81e Config: gitignore - added ignore for jar and class

HEAD is now at 34b03b9 WI3: test - removed due to so and so

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.1))

$ git log --oneline

34b03b9 (HEAD, tag: V1.1, master) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.1))

$ git checkout V1.0

Previous HEAD position was 34b03b9 WI3: test - removed due to so and so

HEAD is now at 5e0a81e Config: gitignore - added ignore for jar and class

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.0))

$ git tag

V1.0

V1.1

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.0))

$ git log --oneline

5e0a81e (HEAD, tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.0))

$ git checkout V1.1

Previous HEAD position was 5e0a81e Config: gitignore - added ignore for jar and class

HEAD is now at 34b03b9 WI3: test - removed due to so and so

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.1))

$ git log --oneline

34b03b9 (HEAD, tag: V1.1, master) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.1))

$ git status

HEAD detached at V1.1

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.1))

$ ls

File.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT ((V1.1))

$ git checkout master

Switched to branch 'master'

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls

File.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ touch test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore

fatal: you must specify path(s) to restore

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore master

error: pathspec 'master' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore test.txt

error: pathspec 'test.txt' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout -- test.txt

error: pathspec 'test.txt' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout -- test.txt

error: pathspec 'test.txt' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ echo "test" > test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ cat test.txt

test

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout -- test.txt

error: pathspec 'test.txt' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore -- test.txt

error: pathspec 'test.txt' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore -- unstaged

error: pathspec 'unstaged' did not match any file(s) known to git

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore --help

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore .

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git reset --hard

HEAD is now at 34b03b9 WI3: test - removed due to so and so

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls

File.txt test.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore --unstaged

error: unknown option `unstaged'

usage: git restore [<options>] [--source=<branch>] <file>...

-s, --source <tree-ish>

which tree-ish to checkout from

-S, --staged restore the index

-W, --worktree restore the working tree (default)

--ignore-unmerged ignore unmerged entries

--overlay use overlay mode

-q, --quiet suppress progress reporting

--recurse-submodules[=<checkout>]

control recursive updating of submodules

--progress force progress reporting

-m, --merge perform a 3-way merge with the new branch

--conflict <style> conflict style (merge or diff3)

-2, --ours checkout our version for unmerged files

-3, --theirs checkout their version for unmerged files

-p, --patch select hunks interactively

--ignore-skip-worktree-bits

do not limit pathspecs to sparse entries only

--pathspec-from-file <file>

read pathspec from file

--pathspec-file-nul with --pathspec-from-file, pathspec elements are separated with NUL character

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git checkout -- .

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git revert 1.0

fatal: bad revision '1.0'

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git revert V1.0

Removing .gitignore

[master 969a4b8] Revert "Config: gitignore - added ignore for jar and class"

1 file changed, 2 deletions(-)

delete mode 100644 .gitignore

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

969a4b8 (HEAD -> master) Revert "Config: gitignore - added ignore for jar and class"

34b03b9 (tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls

File.txt test.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

to\_ignore\_test.jar

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git revert V1.1

error: The following untracked working tree files would be overwritten by merge:

test.txt

Please move or remove them before you merge.

Aborting

fatal: revert failed

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git reset

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

969a4b8 (HEAD -> master) Revert "Config: gitignore - added ignore for jar and class"

34b03b9 (tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git reset V1.1

Unstaged changes after reset:

D .gitignore

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

deleted: .gitignore

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

to\_ignore\_test.jar

no changes added to commit (use "git add" and/or "git commit -a")

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls

File.txt test.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

deleted: .gitignore

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

to\_ignore\_test.jar

no changes added to commit (use "git add" and/or "git commit -a")

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git restore .gitignore

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

test.txt

nothing added to commit but untracked files present (use "git add" to track)

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ rm test.txt

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ ls

File.txt to\_ignore\_test.jar

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git status

On branch master

nothing to commit, working tree clean

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

34b03b9 (HEAD -> master, tag: V1.1) WI3: test - removed due to so and so

be552a0 WI2: test added file

5e0a81e (tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git reset --hard HEAD~2

HEAD is now at 5e0a81e Config: gitignore - added ignore for jar and class

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$ git log --oneline

5e0a81e (HEAD -> master, tag: V1.0) Config: gitignore - added ignore for jar and class

facb568 WI2: File updated with random lines

84dcbaf WI1:File updated - added new line for hello World Returns

6ecf617 WI1:File created, hello world

Rhishabh@LAPTOP-6ONMS0A8 MINGW64 ~/Documents/Persistent\_Systems/GIT (master)

$