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First max needs to download the current code (stories) uploaded by Sarah in remote repository. As user Max, clone the remote repo to his home directory - `/home/max`.

Target repo web URL : `http://git.example.com/sarah/story-blog`

You can also find this URL from UI

Check✔️

Next →

Valid git repo?

Terminal 1+

```
max $ mv
-bash: mv: command not found
max $ ls
max $ git clone http://git.example.com/sarah/story-blog
Cloning into 'story-blog'...
remote: Enumerating objects: 14, done.
remote: Counting objects: 100% (14/14), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 14 (delta 4), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (14/14), done.
Resolving deltas: 100% (4/4), done.
max $ cd story-blog/
max (master)$
```

1.

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Max is writing his story

Terminal 1+

```
remote: Enumerating objects: 14, done.
remote: Counting objects: 100% (14/14), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 14 (delta 4), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (14/14), done.
Resolving deltas: 100% (4/4), done.
max $ cd story-blog/
max (master)$ git log
commit 589866ba900c34f8967b248ced3cfd4e76588fad (HEAD -> master, origin/master, origin/HEAD)
Merge: 7e5354c f5cbff0
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Merge branch 'story/frogs-and-ox'

commit 7e5354c669435cb58b30463b2a70a4cfc87cbb9
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Fix typo in story title

commit f5cbff0f13209917758348a9e363d5e8fe54334
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Completed frogs-and-ox story

commit 33ff2eab79decea6e6253980ffd17255841fcaa2
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Added the lion and mouse story

commit 1910eeeb3445f34261a55c4f16aaf08c8fa454d8
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Add incomplete frogs-and-ox story
max (master)$
```

2.

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Unlike last time, let's not commit the story to the master branch directly. Instead commit it to a new branch named `story/fox-and-grapes` with the commit message `Added fox-and-grapes story`

Even though you are in master branch already since the file is not tracked you can switch to a new branch and commit the file to the new branch.

Check✔️

Next →

Verify commit✔️

Terminal 1+

```
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Completed frogs-and-ox story

commit 33ff2eab79decea6e6253980ffd17255841fcaa2
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Added the lion and mouse story

commit 1910eeeb3445f34261a55c4f16aaf08c8fa454d8
Author: sarah <sarah@example.com>
Date: Fri Sep 12 19:27:02 2025 +0000

Add incomplete frogs-and-ox story
max (master)$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  fox-and-grapes.txt

nothing added to commit but untracked files present (use "git add" to track)
max (master)$ git checkout -b story/fox-and-grapes
Switched to a new branch 'story/fox-and-grapes'
max (story/fox-and-grapes)$ git add .
max (story/fox-and-grapes)$ git status
On branch story/fox-and-grapes
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   fox-and-grapes.txt

max (story/fox-and-grapes)$ git commit -m "Added fox-and-grapes story"
[story/fox-and-grapes 0a2fcc8] Added fox-and-grapes story
1 file changed, 21 insertions(+)
create mode 100644 fox-and-grapes.txt
max (story/fox-and-grapes)$
```

3.

Task

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Next →

Now push Max's story to remote git repository hosted on `Gitea` but to the `story/fox-and-grapes` branch

Login info:

Username: `max`

Password: `Max_pass123`

remote repo alias: `origin`

remote branch: `story/fox-and-grapes`

Check

Next →

Content pushed?

Terminal 1

Untracked files:

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

`fox-and-grapes.txt`

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

`max (master)$ git checkout -b story/fox-and-grapes`

Switched to a new branch 'story/fox-and-grapes'

`max (story/fox-and-grapes)$ git add .`

`max (story/fox-and-grapes)$ git status`

On branch story/fox-and-grapes

Changes to be committed:

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

`new file: fox-and-grapes.txt`

`max (story/fox-and-grapes)$ git commit -m "Added fox-and-grapes story"`

`[story/fox-and-grapes 0a2fcc8] Added fox-and-grapes story`

`1 file changed, 21 insertions(+)`

`create mode 100644 fox-and-grapes.txt`

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `maax`

Password for 'http://maax@git.example.com':

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `max`

Password for 'http://maax@git.example.com':

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 16 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 743 bytes | 743.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

remote: Create a new pull request for 'story/fox-and-grapes':

remote: `http://git.example.com/sarah/story-blog/compare/master...story/fox-and-grapes`

remote:

remote: . Processing 1 references

remote: Processed 1 references in total

To `http://git.example.com/sarah/story-blog`

\* [new branch] story/fox-and-grapes -> story/fox-and-grapes

`max (story/fox-and-grapes)$`

4.

Task

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Next →

Max has pushed his story, but his story is still not in the `Master` branch. Let's create a Pull Request(PR) to merge Max's `story/fox-and-grapes` branch into the `master` branch

Click on `Git Portal UI` to access git UI

UI login info:

- Username: `max`

- Password: `Max_pass123`

PR title: `Added fox-and-grapes story`

PR pull from branch: `story/fox-and-grapes` (source)

PR merge into branch: `master` (destination)

Check

Next →

Check PR

Terminal 1

Untracked files:

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

`fox-and-grapes.txt`

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

`max (master)$ git checkout -b story/fox-and-grapes`

Switched to a new branch 'story/fox-and-grapes'

`max (story/fox-and-grapes)$ git add .`

`max (story/fox-and-grapes)$ git status`

On branch story/fox-and-grapes

Changes to be committed:

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

`new file: fox-and-grapes.txt`

`max (story/fox-and-grapes)$ git commit -m "Added fox-and-grapes story"`

`[story/fox-and-grapes 0a2fcc8] Added fox-and-grapes story`

`1 file changed, 21 insertions(+)`

`create mode 100644 fox-and-grapes.txt`

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `maax`

Password for 'http://maax@git.example.com':

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `max`

Password for 'http://maax@git.example.com':

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 16 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 743 bytes | 743.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

remote: Create a new pull request for 'story/fox-and-grapes':

remote: `http://git.example.com/sarah/story-blog/compare/master...story/fox-and-grapes`

remote:

remote: . Processing 1 references

remote: Processed 1 references in total

To `http://git.example.com/sarah/story-blog`

\* [new branch] story/fox-and-grapes -> story/fox-and-grapes

`max (story/fox-and-grapes)$`

5.

Task

Hint AI Assistant (Beta)

50:08

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Next →

Before we can add our story to the `master` branch, it has to be reviewed first. So lets ask `tom` to review our PR by assigning him as a reviewer

Add `tom` as reviewer through the `Git Portal UI`

Check

Next →

Check PR review

Terminal 1

Untracked files:

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

`fox-and-grapes.txt`

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

`max (master)$ git checkout -b story/fox-and-grapes`

Switched to a new branch 'story/fox-and-grapes'

`max (story/fox-and-grapes)$ git add .`

`max (story/fox-and-grapes)$ git status`

On branch story/fox-and-grapes

Changes to be committed:

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

`new file: fox-and-grapes.txt`

`max (story/fox-and-grapes)$ git commit -m "Added fox-and-grapes story"`

`[story/fox-and-grapes 0a2fcc8] Added fox-and-grapes story`

`1 file changed, 21 insertions(+)`

`create mode 100644 fox-and-grapes.txt`

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `maax`

Password for 'http://maax@git.example.com':

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `max`

Password for 'http://maax@git.example.com':

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 16 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 743 bytes | 743.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

remote: Create a new pull request for 'story/fox-and-grapes':

remote: `http://git.example.com/sarah/story-blog/compare/master...story/fox-and-grapes`

remote:

remote: . Processing 1 references

remote: Processed 1 references in total

To `http://git.example.com/sarah/story-blog`

\* [new branch] story/fox-and-grapes -> story/fox-and-grapes

`max (story/fox-and-grapes)$`

6.

Task

Hint

AI Assistant (Beta)

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Next →

Now lets review and approve the PR as user `Tom`

Login to the portal with the user `tom`

Logout of `Git Portal UI` if logged in as `max`

UI login info:

- Username: `tom`

- Password: `Tom_pass123`

PR title: `Added fox-and-grapes story`

Check

Next →

Check PR approval

Terminal 1

+

41:54

Untracked files:

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

fox-and-grapes.txt

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

`max (master)$ git checkout -b story/fox-and-grapes`

Switched to a new branch 'story/fox-and-grapes'

`max (story/fox-and-grapes)$ git add .`

`max (story/fox-and-grapes)$ git status`

On branch story/fox-and-grapes

Changes to be committed:

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

new file: fox-and-grapes.txt

`max (story/fox-and-grapes)$ git commit -m "Added fox-and-grapes story"`

`[story/fox-and-grapes 0a2fcc8] Added fox-and-grapes story`

1 file changed, 21 insertions(+)

create mode 100644 fox-and-grapes.txt

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `maax`

Password for 'http://maax@git.example.com':

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `max`

Password for 'http://max@git.example.com':

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 16 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 743 bytes | 743.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

remote:

remote: Create a new pull request for 'story/fox-and-grapes':

remote: `http://git.example.com/sarah/story-blog/compare/master...story/fox-and-grapes`

remote:

remote: . Processing 1 references

remote: Processed 1 references in total

To `http://git.example.com/sarah/story-blog`

\* [new branch] story/fox-and-grapes -> story/fox-and-grapes

`max (story/fox-and-grapes)$`

7.

Task

Hint

AI Assistant (Beta)

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Next →

Great stuff!! The story has been approved! 🎉 It's now time to Merge the Pull Request to make the story available in the master branch.

Login as user `sarah` and merge the PR.

- Username: `sarah`

- Password: `Sarah_pass123`

Check

Next →

Check PR merge

Terminal 1

+

40:55

Untracked files:

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

fox-and-grapes.txt

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

`max (master)$ git checkout -b story/fox-and-grapes`

Switched to a new branch 'story/fox-and-grapes'

`max (story/fox-and-grapes)$ git add .`

`max (story/fox-and-grapes)$ git status`

On branch story/fox-and-grapes

Changes to be committed:

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

new file: fox-and-grapes.txt

`max (story/fox-and-grapes)$ git commit -m "Added fox-and-grapes story"`

`[story/fox-and-grapes 0a2fcc8] Added fox-and-grapes story`

1 file changed, 21 insertions(+)

create mode 100644 fox-and-grapes.txt

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `maax`

Password for 'http://maax@git.example.com':

`max (story/fox-and-grapes)$ git push origin story/fox-and-grapes`

Username for 'http://git.example.com': `max`

Password for 'http://max@git.example.com':

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 16 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 743 bytes | 743.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

remote:

remote: Create a new pull request for 'story/fox-and-grapes':

remote: `http://git.example.com/sarah/story-blog/compare/master...story/fox-and-grapes`

remote:

remote: . Processing 1 references

remote: Processed 1 references in total

To `http://git.example.com/sarah/story-blog`

\* [new branch] story/fox-and-grapes -> story/fox-and-grapes

`max (story/fox-and-grapes)$`

8.

End

40:12

CONGRATULATIONS!!!!

You have successfully completed the challenge.

End lab session

9.