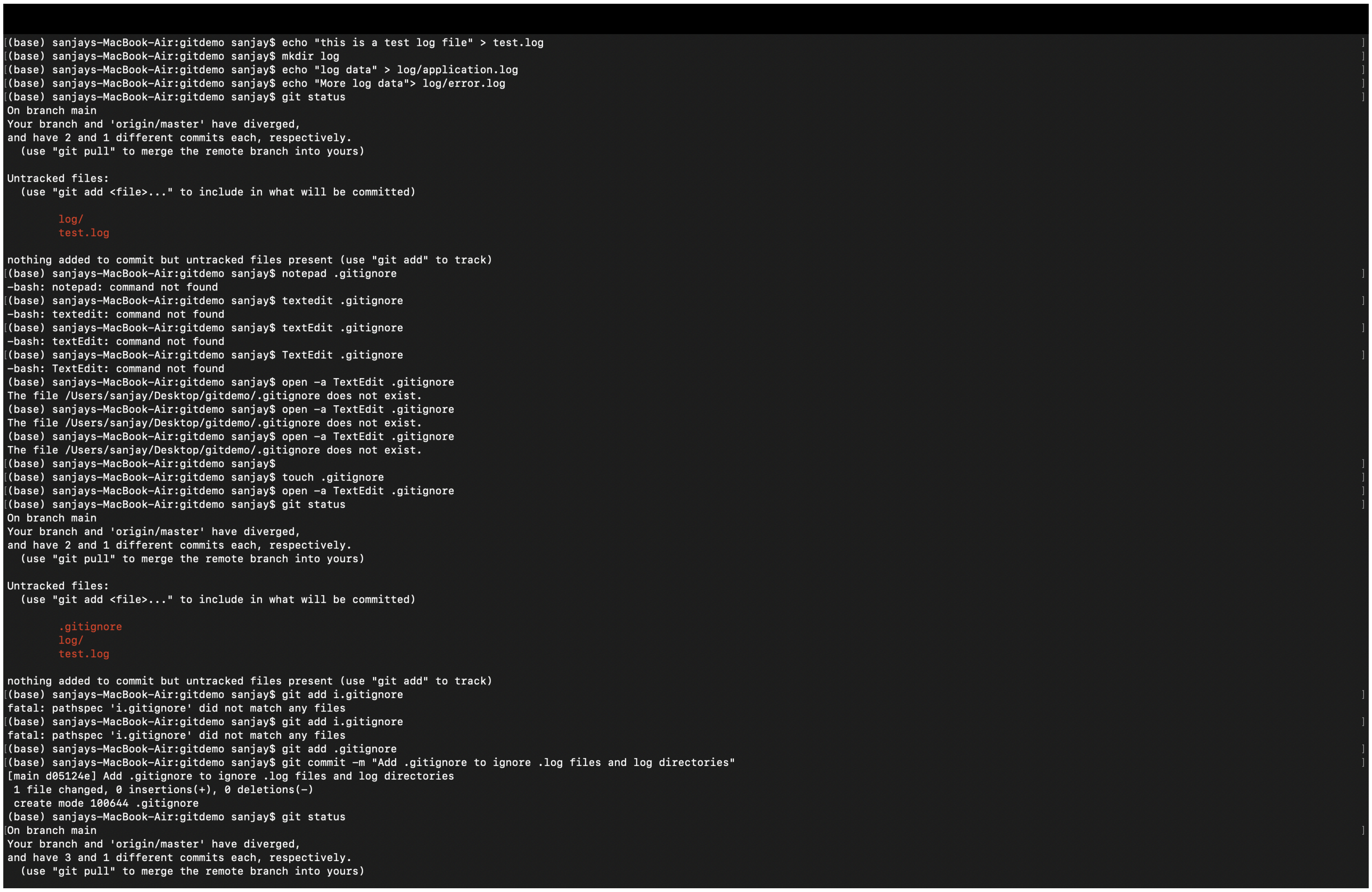
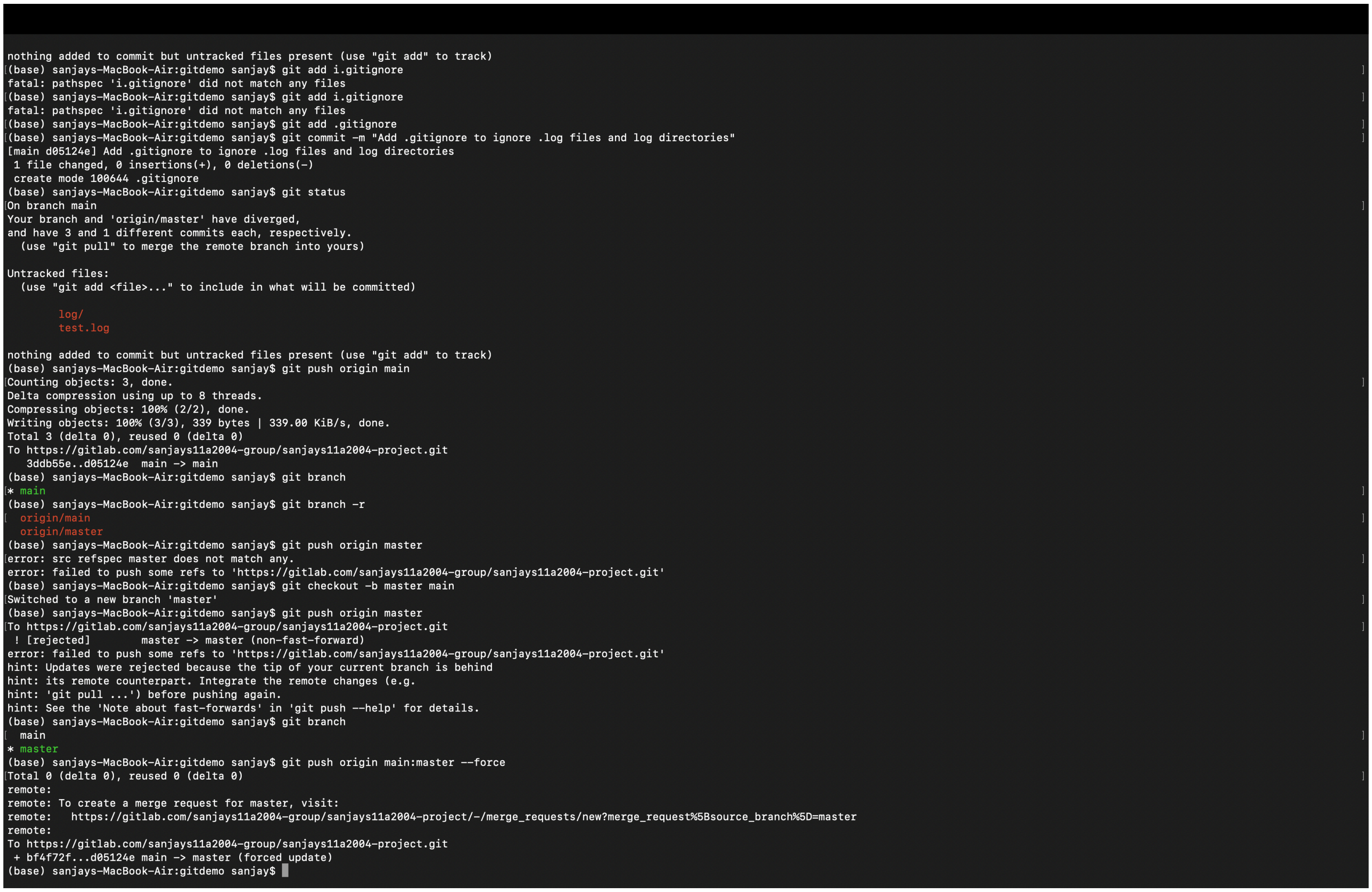
Estimated time to complete this lab: **20 minutes.**

Create a **“.log”** file and a **log folder** in the working directory of Git. Update the **.gitignore** file in such a way that on committing, these files (.log extensions and log folders) are ignored.

Verify if the git status reflects the same about working directory, local repository and git repository.



```
(base) sanjays-MacBook-Air:gitdemo sanjay$ echo "this is a test log file" > test.log
(base) sanjays-MacBook-Air:gitdemo sanjay$ mkdir log
(base) sanjays-MacBook-Air:gitdemo sanjay$ echo "log data" > log/application.log
(base) sanjays-MacBook-Air:gitdemo sanjay$ echo "More log data"> log/error.log
(base) sanjays-MacBook-Air:gitdemo sanjay$ git status
On branch main
Your branch and 'origin/master' have diverged,
and have 2 and 1 different commits each, respectively.
  (use "git pull" to merge the remote branch into yours)

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

        log/
        test.log

nothing added to commit but untracked files present (use "git add" to track)
(base) sanjays-MacBook-Air:gitdemo sanjay$ notepad .gitignore
-bash: notepad: command not found
(base) sanjays-MacBook-Air:gitdemo sanjay$ textedit .gitignore
-bash: textedit: command not found
(base) sanjays-MacBook-Air:gitdemo sanjay$ textEdit .gitignore
-bash: textEdit: command not found
(base) sanjays-MacBook-Air:gitdemo sanjay$ TextEdit .gitignore
-bash: TextEdit: command not found
(base) sanjays-MacBook-Air:gitdemo sanjay$ open -a TextEdit .gitignore
The file /Users/sanjay/Desktop/gitdemo/.gitignore does not exist.
(base) sanjays-MacBook-Air:gitdemo sanjay$ open -a TextEdit .gitignore
The file /Users/sanjay/Desktop/gitdemo/.gitignore does not exist.
(base) sanjays-MacBook-Air:gitdemo sanjay$ open -a TextEdit .gitignore
The file /Users/sanjay/Desktop/gitdemo/.gitignore does not exist.
(base) sanjays-MacBook-Air:gitdemo sanjay$
(base) sanjays-MacBook-Air:gitdemo sanjay$ touch .gitignore
(base) sanjays-MacBook-Air:gitdemo sanjay$ open -a TextEdit .gitignore
(base) sanjays-MacBook-Air:gitdemo sanjay$ git status
On branch main
Your branch and 'origin/master' have diverged,
and have 2 and 1 different commits each, respectively.
  (use "git pull" to merge the remote branch into yours)

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

        .gitignore
        log/
        test.log

nothing added to commit but untracked files present (use "git add" to track)
(base) sanjays-MacBook-Air:gitdemo sanjay$ git add i.gitignore
fatal: pathspec 'i.gitignore' did not match any files
(base) sanjays-MacBook-Air:gitdemo sanjay$ git add i.gitignore
fatal: pathspec 'i.gitignore' did not match any files
(base) sanjays-MacBook-Air:gitdemo sanjay$ git add .gitignore
(base) sanjays-MacBook-Air:gitdemo sanjay$ git commit -m "Add .gitignore to ignore .log files and log directories"
[main d05124e] Add .gitignore to ignore .log files and log directories
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 .gitignore
(base) sanjays-MacBook-Air:gitdemo sanjay$ git status
On branch main
Your branch and 'origin/master' have diverged,
and have 3 and 1 different commits each, respectively.
  (use "git pull" to merge the remote branch into yours)
```



```
nothing added to commit but untracked files present (use "git add" to track)
(base) sanjays-MacBook-Air:gitdemo sanjay$ git add i.gitignore
fatal: pathspec 'i.gitignore' did not match any files
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[main d05124e] Add .gitignore to ignore .log files and log directories
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 .gitignore
(base) sanjays-MacBook-Air:gitdemo sanjay$ git status
On branch main
Your branch and 'origin/master' have diverged,
and have 3 and 1 different commits each, respectively.
  (use "git pull" to merge the remote branch into yours)

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

        log/
        test.log

nothing added to commit but untracked files present (use "git add" to track)
(base) sanjays-MacBook-Air:gitdemo sanjay$ git push origin main
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 339 bytes | 339.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://gitlab.com/sanjays11a2004-group/sanjays11a2004-project.git
   3ddb55e..d05124e  main -> main
(base) sanjays-MacBook-Air:gitdemo sanjay$ git branch
* main
(base) sanjays-MacBook-Air:gitdemo sanjay$ git branch -r
  origin/main
  origin/master
(base) sanjays-MacBook-Air:gitdemo sanjay$ git push origin master
error: src refspec master does not match any.
error: failed to push some refs to 'https://gitlab.com/sanjays11a2004-group/sanjays11a2004-project.git'
(base) sanjays-MacBook-Air:gitdemo sanjay$ git checkout -b master main
Switched to a new branch 'master'
(base) sanjays-MacBook-Air:gitdemo sanjay$ git push origin master
To https://gitlab.com/sanjays11a2004-group/sanjays11a2004-project.git
 ! [rejected]        master -> master (non-fast-forward)
error: failed to push some refs to 'https://gitlab.com/sanjays11a2004-group/sanjays11a2004-project.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
(base) sanjays-MacBook-Air:gitdemo sanjay$ git branch
  main
* master
(base) sanjays-MacBook-Air:gitdemo sanjay$ git push origin main:master --force
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: To create a merge request for master, visit:
remote:   https://gitlab.com/sanjays11a2004-group/sanjays11a2004-project/-/merge_requests/new?merge_request%5Bsource_branch%5D=master
remote:
To https://gitlab.com/sanjays11a2004-group/sanjays11a2004-project.git
 + bf4f72f...d05124e main -> master (forced update)
(base) sanjays-MacBook-Air:gitdemo sanjay$ 
```
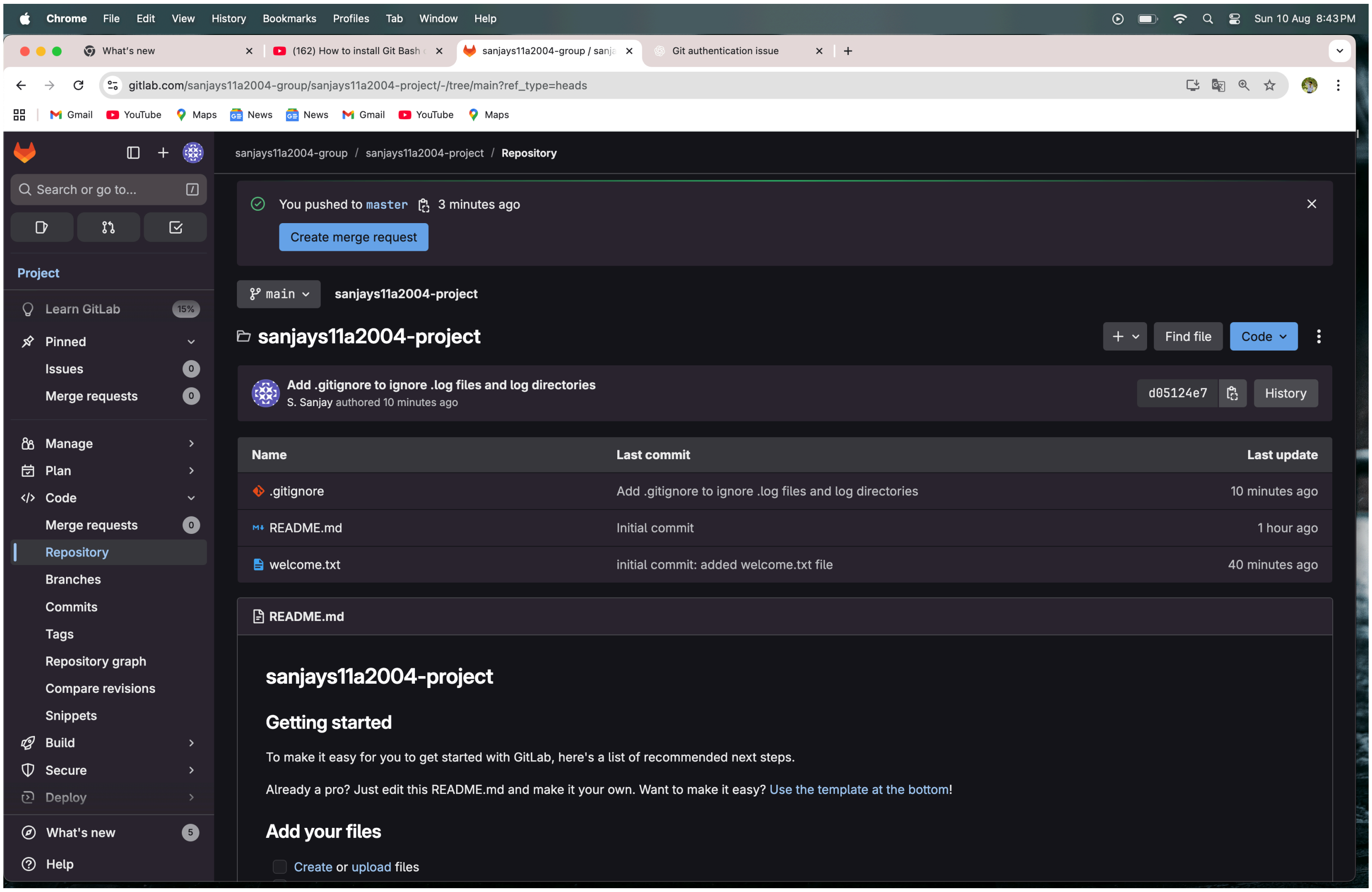

OUTPUT:


Chrome
File
Edit
View
History
Bookmarks
Profiles
Tab
Window
Help
Sun 10 Aug 8:43 PM
What's new
(162) How to install Git Bash
sanjays11a2004-group / sanj
Git authentication issue
gitlab.com/sanjays11a2004-group/sanjays11a2004-project/-/tree/main?ref_type=heads
Gmail
YouTube
Maps
News
News
Gmail
YouTube
Maps
Search or go to...
Project
Learn GitLab
15%
Pinned
Issues
0
Merge requests
0
Manage
Plan
Code
Merge requests
0
Repository
Branches
Commits
Tags
Repository graph
Compare revisions
Snippets
Build
Secure
Deploy
What's new
5
Help
sanjays11a2004-group / sanjays11a2004-project / Repository
Create merge request
main
sanjays11a2004-project
Find file
Code
d05124e7
History

You pushed to master 3 minutes ago

sanjays11a2004-project

Add .gitignore to ignore .log files and log directories
S. Sanjay authored 10 minutes ago

Name	Last commit	Last update
.gitignore	Add .gitignore to ignore .log files and log directories	10 minutes ago
README.md	Initial commit	1 hour ago
welcome.txt	initial commit: added welcome.txt file	40 minutes ago

README.md

sanjays11a2004-project

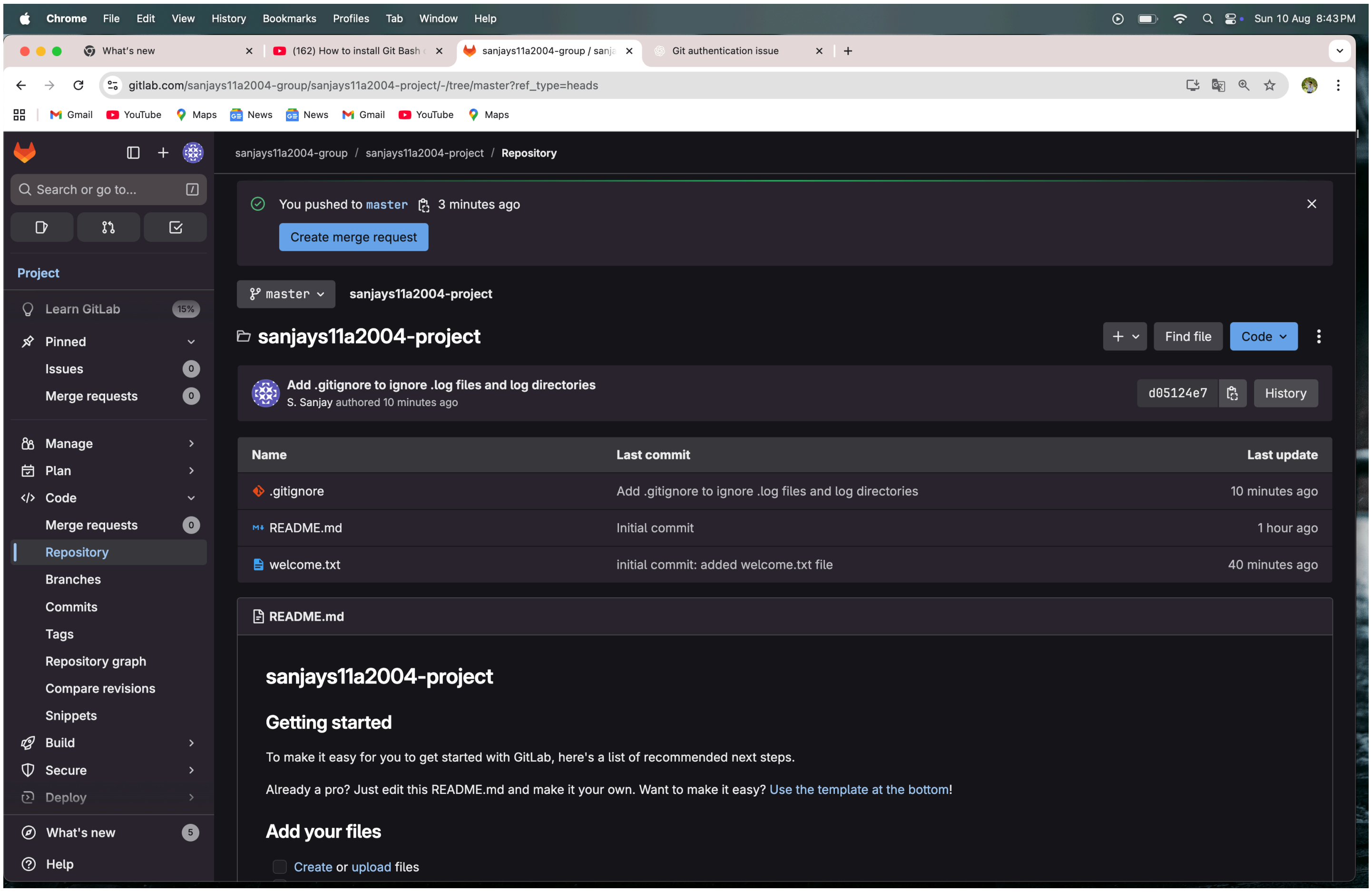
Getting started

To make it easy for you to get started with GitLab, here's a list of recommended next steps.

Already a pro? Just edit this README.md and make it your own. Want to make it easy? Use the template at the bottom!

Add your files

☐ Create or upload files


Chrome File Edit View History Bookmarks Profiles Tab Window Help
Sun 10 Aug 8:43 PM
What's new
(162) How to install Git Bash
sanjays11a2004-group / sanj
Git authentication issue
Gmail
YouTube
Maps
News
News
Gmail
YouTube
Maps
Search or go to...
Project
Learn GitLab 15%
Pinned
Issues 0
Merge requests 0
Manage
Plan
Code
Merge requests 0
Repository
Branches
Commits
Tags
Repository graph
Compare revisions
Snippets
Build
Secure
Deploy
What's new 5
Help
Create merge request
master
Find file
Code
History

gitlab.com/sanjays11a2004-group/sanjays11a2004-project/-/tree/master?ref_type=heads

sanjays11a2004-group / sanjays11a2004-project / **Repository**

You pushed to `master` 3 minutes ago

master sanjays11a2004-project

sanjays11a2004-project

Add .gitignore to ignore .log files and log directories
S. Sanjay authored 10 minutes ago
d05124e7

Name	Last commit	Last update
.gitignore	Add .gitignore to ignore .log files and log directories	10 minutes ago
README.md	Initial commit	1 hour ago
welcome.txt	initial commit: added welcome.txt file	40 minutes ago

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sanjays11a2004-project

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