

1.

Create a new Git repository on your local machine and make an initial commit.

The image shows a GitHub repository page for '23-practice-questions' and a Windows command prompt window demonstrating the steps to create a new Git repository and push it to GitHub.

GitHub Repository Page:

- Repository name: 23-practice-questions (Public)
- Buttons: Pin, Unwatch (1), Fork (0), Star (0)
- Quick setup options: Set up in Desktop, or HTTPS, SSH (https://github.com/2000031628/23-practice-questions.git)
- Command line setup instructions:

```
echo "# 23-practice-questions" >> README.md
git init
git add README.md
```

Windows Command Prompt (C:\Windows\System32\cmd.exe):

```
Microsoft Windows [Version 10.0.19045.5247]
(c) Microsoft Corporation. All rights reserved.

C:\Users\DELL\Desktop\ust-practice>git init
Initialized empty Git repository in C:/Users/DELL/Desktop/ust-practice/.git/

C:\Users\DELL\Desktop\ust-practice>git add README.md
fatal: pathspec 'README.md' did not match any files

C:\Users\DELL\Desktop\ust-practice>git commit -m "first commit"
On branch master

Initial commit

nothing to commit (create/copy files and use "git add" to track)

C:\Users\DELL\Desktop\ust-practice>git branch -M main

C:\Users\DELL\Desktop\ust-practice>git remote add origin https://github.com/2000031628/23-practice-questions.git

C:\Users\DELL\Desktop\ust-practice>git commit -m "new"
On branch main

Initial commit

nothing to commit (create/copy files and use "git add" to track)

C:\Users\DELL\Desktop\ust-practice>git push origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/2000031628/23-practice-questions.git'

C:\Users\DELL\Desktop\ust-practice>git add .

C:\Users\DELL\Desktop\ust-practice>git commit -m "new"
On branch main

Initial commit
```

2. Push the changes from your local repository to a remote repository on a hosting platform (e.g., GitHub).

The screenshot shows a Windows command prompt window and a web browser displaying a GitHub repository page. The command prompt window is titled "C:\Windows\System32\cmd.exe" and shows the following commands and output:

```
C:\Users\DELL\Desktop\ust-practice>git add README.md
fatal: pathspec 'README.md' did not match any files

C:\Users\DELL\Desktop\ust-practice>git commit -m "first commit"
[main (root-commit) 942f1ef] first commit
1 file changed, 56 insertions(+)
create mode 100644 gitcommands (1).txt

C:\Users\DELL\Desktop\ust-practice>git branch -M main

C:\Users\DELL\Desktop\ust-practice>git remote add origin https://github.com/2000031628/23-practice-questions.git
error: remote origin already exists.

C:\Users\DELL\Desktop\ust-practice>git status
On branch main
nothing to commit, working tree clean

C:\Users\DELL\Desktop\ust-practice>git add .

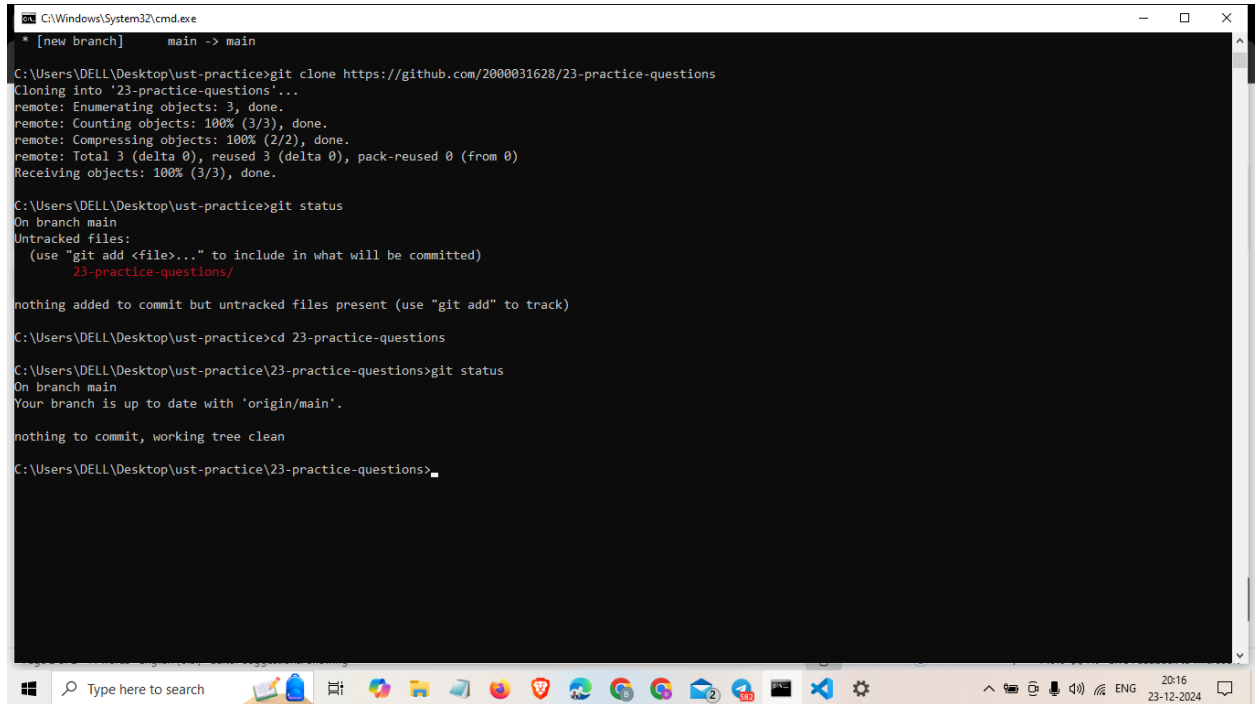
C:\Users\DELL\Desktop\ust-practice>git commit -m "changes"
On branch main
nothing to commit, working tree clean

C:\Users\DELL\Desktop\ust-practice>git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 1.15 KiB | 589.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/2000031628/23-practice-questions.git
 * [new branch]      main -> main

C:\Users\DELL\Desktop\ust-practice>
```

The web browser shows the GitHub repository page for "23-practice-questions" by user "2000031628". The page displays the repository name, a search bar, and navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The repository is public and has 1 branch, 0 tags, and 1 commit. The commit history shows a single commit by "boyinisurendra" with the message "first commit" and a timestamp of "1 minute ago". The repository has 0 stars, 1 watching, and 0 forks. The README section is empty, with a prompt to "Add a README". The right sidebar shows the repository's activity, including a list of releases and packages.

3.Clone an existing repository from a remote source to your local machine.



```
C:\Windows\System32\cmd.exe
* [new branch]      main -> main

C:\Users\DELL\Desktop\ust-practice>git clone https://github.com/2000031628/23-practice-questions
Cloning into '23-practice-questions'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.

C:\Users\DELL\Desktop\ust-practice>git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    23-practice-questions/

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

C:\Users\DELL\Desktop\ust-practice>cd 23-practice-questions

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>
```

5.

5.Perform a basic merge operation, resolving any conflicts that arise.

```
C:\Windows\System32\cmd.exe

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git branch
* main

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git branch practice

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git branch
* main
  practice

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git checkout practice
Switched to branch 'practice'

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git add "index.html"
fatal: pathspec 'index.html' did not match any files

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git add index.html
fatal: pathspec 'index.html' did not match any files

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git add <index.html>
The syntax of the command is incorrect.

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git add index.html
fatal: pathspec 'index.html' did not match any files

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git branch
* main
  practice

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>code .

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git statu
git: 'statu' is not a git command. See 'git --help'.

The most similar command is
  status

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>status
```

```
C:\Windows\System32\cmd.exe

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git statu
git: 'statu' is not a git command. See 'git --help'.

The most similar command is
  status

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>status
'status' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git status
On branch practice
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html

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

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git add .

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git commit -m "added new file"
[practice 9cde63b] added new file
 1 file changed, 11 insertions(+)
 create mode 100644 index.html

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git push origin practice
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 447 bytes | 447.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'practice' on GitHub by visiting:
remote:   https://github.com/2000031628/23-practice-questions/pull/new/practice
remote:
To https://github.com/2000031628/23-practice-questions
```

```
C:\Windows\System32\cmd.exe
remote:      https://github.com/2000031628/23-practice-questions/pull/new/practice
remote:
To https://github.com/2000031628/23-practice-questions
* [new branch]      practice -> practice

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git merge practice
Updating 942f1ef..9cde63b
Fast-forward
 index.html | 11 ++++++++
 1 file changed, 11 insertions(+)
 create mode 100644 index.html

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git push origin main
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/2000031628/23-practice-questions
 942f1ef..9cde63b  main -> main

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

C:\Users\DELL\Desktop\ust-practice\23-practice-questions>
```