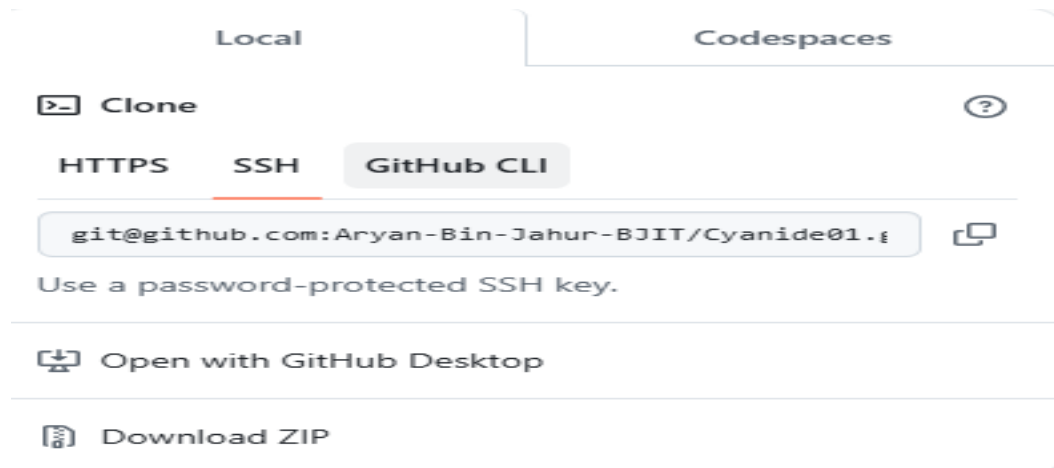


Git and GitHub Practical Exam

Copy the SSH link



Clone the Repository

```
MINGW64:/c/Users/BJIT/git-pro
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro
$ git clone git@github.com:Aryan-Bin-Jahur-BJIT/Cyanide01.git
Cloning into 'Cyanide01'...
Enter passphrase for key '/c/Users/BJIT/.ssh/id_ed25519':
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (4/4), done.
```

Navigate the Directory

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro
$ cd Cyanide01/

BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (development)
$ ls
LICENSE  README.md

BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (development)
```

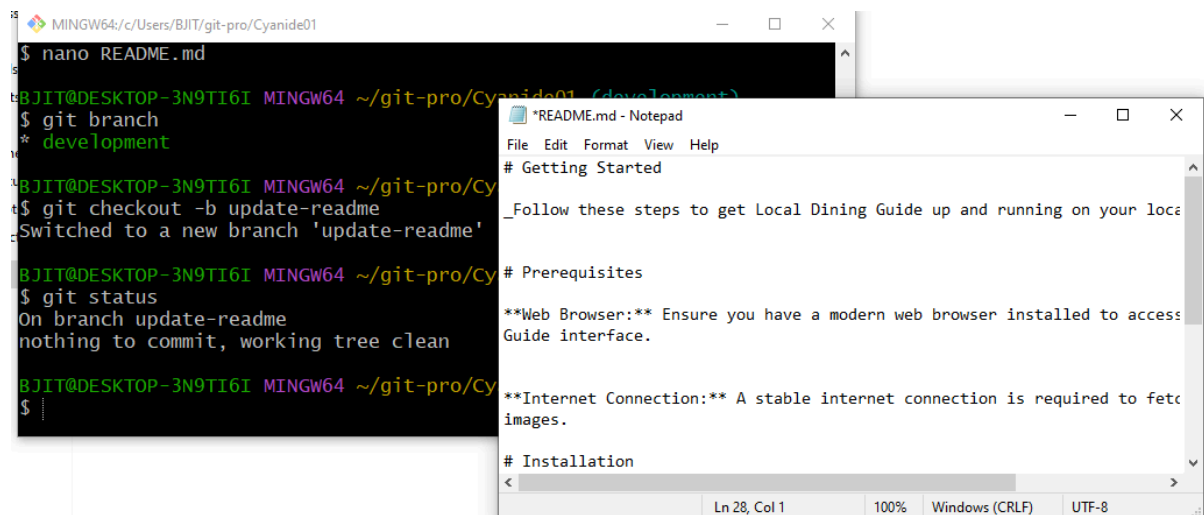
To see local branches

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (development)
$ git branch
* development
```

Create a new Branch and checkout

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (development)
$ git checkout -b update-readme
Switched to a new branch 'update-readme'
```

Add content to README file



The screenshot shows a terminal window and a Notepad window. The terminal window displays the following commands and output:

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01
$ nano README.md
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (development)
$ git branch
* development
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01
$ git checkout -b update-readme
Switched to a new branch 'update-readme'
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01
$ git status
On branch update-readme
nothing to commit, working tree clean
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01
$
```

The Notepad window, titled "README.md - Notepad", shows the following content:

```
File Edit Format View Help
# Getting Started

_Follow these steps to get Local Dining Guide up and running on your local machine.

# Prerequisites

**Web Browser:** Ensure you have a modern web browser installed to access the Local Dining Guide interface.

**Internet Connection:** A stable internet connection is required to fetch data from the API.

# Installation
```

Check status of local repository

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (update-readme)
$ git status
On branch update-readme
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:   README.md

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

To stage the README file

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (update-readme)
$ git add README.md
```

Commit the changes

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (update-readme)
$ git commit -m "docs: update README with project installation instruction
This update includes details steps for cloning the repository
navigating directory and launching the applications."
```

Edit last commit message

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (update-readme)
$ git commit --amend -m "docs: update README file
>
> This update includes details steps for cloning the repo
> and navigating dir and launching the app.
>
> Refs: #12"
[update-readme b7250b6] docs: update README file
Date: Mon Nov 25 14:06:04 2024 +0600
1 file changed, 27 insertions(+), 2 deletions(-)
```

Pull for getting latest updates from remote

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (task-3)
$ git checkout development
Switched to branch 'development'
Your branch is up to date with 'origin/development'.

BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (development)
$ git pull origin development
Enter passphrase for key '/c/Users/BJIT/.ssh/id_ed25519':
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 1), reused 2 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (4/4), 1.97 KiB | 202.00 KiB/s, done.
From github.com:Aryan-Bin-Jahur-BJIT/Cyanide01
 * branch                development -> FETCH_HEAD
   ad98e74..afdb96d  development -> origin/development
Updating ad98e74..afdb96d
Fast-forward
 README.md | 27 ++++++
 1 file changed, 27 insertions(+)
```

Copy commit hash

Create a new branch

Use cherry-pick to merge new-branch and specific commit

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (update-readme)
$ git log --oneline
b7250b6 (HEAD -> update-readme) docs: update README file
9beeb8f (origin/main) Initial commit

BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (update-readme)
$ git checkout task-03
Switched to branch 'task-03'

BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (task-03)
$ git cherry-pick b7250b6 --no-edit
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply b7250b6... docs: update README file
hint: After resolving the conflicts, mark them with
hint: "git add/rm <paths>", then run
hint: "git cherry-pick --continue".
hint: You can instead skip this commit with "git cherry-pick --skip".
hint: To abort and get back to the state before "git cherry-pick",
hint: run "git cherry-pick --abort".
hint: Disable this message with "git config advice.mergeConflict false"
```

Resolve conflict and Add and continue cherry-pick

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (task-03|CHERRY-PICKING)
$ git add .

BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (task-03|CHERRY-PICKING)
$ git cherry-pick --continue --no-edit
[task-03 59943e6] docs: update README file
Date: Mon Nov 25 14:06:04 2024 +0600
1 file changed, 29 insertions(+)
```

Push the Branch to Remote repository

```
BJIT@DESKTOP-3N9TI6I MINGW64 ~/git-pro/Cyanide01 (task-03)
$ git push -u origin task-03
Enter passphrase for key '/c/Users/BJIT/.ssh/id_ed25519':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 824 bytes | 824.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'task-03' on GitHub by visiting:
remote:   https://github.com/Aryan-Bin-Jahur-BJIT/Cyanide01/pull/new/task-03
remote:
To github.com:Aryan-Bin-Jahur-BJIT/Cyanide01.git
* [new branch]      task-03 -> task-03
branch 'task-03' set up to track 'origin/task-03'.
```

Pull request for merging with development branch

The screenshot shows a GitHub pull request interface. At the top, the title is "docs: update README file #2" with buttons for "Edit" and "<> Code". Below the title, it says "solaiman001 wants to merge 1 commit into development from task-03". There are tabs for "Conversation" (0), "Commits" (1), "Checks" (0), and "Files changed" (1). A green bar indicates "+29 -0" changes. The main content area shows a comment from solaiman001 stating "This update includes details steps for cloning the repo and navigating dir and launching the app." and "Refs: #12". Below the comment is a commit preview for "docs: update README file" with hash 59943e6. A message from solaiman001 says "requested a review from TanjemAhamed now". On the right, there are sections for "Reviewers" (listing TanjemAhamed), "Assignees" (none), "Labels" (none), "Projects" (none), and "Milestone" (none). At the bottom, a green box with a checkmark says "Review requested" and "Review has been requested on this pull request. It is not required to merge." with a link to "Learn more about requesting a pull request review." and a dropdown showing "1 pending reviewer".

Filters

is:pr is:open

Labels 9

Milestones 0

New pull request

1 Open

1 Closed

AuthorLabelProjectsMilestonesReviewsAssigneeSort

docs: update README file

#2 opened 1 minute ago by solaiman001

Review others pull request and approve

solaiman001 approved these changes now

View reviewed changes

solaiman001 left a comment

Collaborator

Looks good

Changes approved

1 approving review [Learn more about pull request reviews.](#)

1 approval

This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions.](#)

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Unsubscribe

You're receiving notifications because your review was requested.

2 participants