

School of Computer Science Engineering and Technology

Course- BCA

Course Code- **CBCA321**

DevOps

Year-Second

Date- 02-02-2024

Type- Specialization Elective

Course Name- **Software Containerization using**

Semester- EVEN

Batch- ALL

Lab Assignment

GIT Desktop

Objective:

- 1) Git Desktop Installation
- 2) Create repository on Desktop
- 3) Create repository online
- 4) Clone the repository online to desktop
- 5) Clone repository Git Desktop to online

Git Desktop

GitHub Desktop is an application that enables you to interact with GitHub using a GUI instead of the command line or a web browser.

OS supported

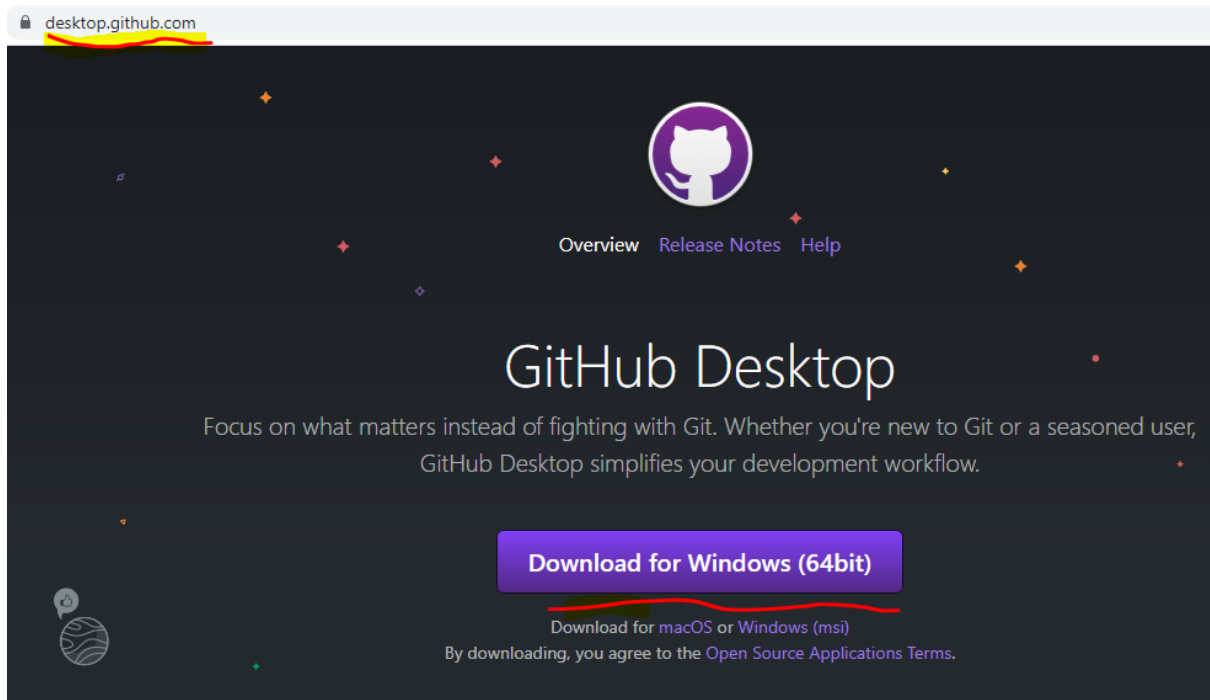
The following operating systems are supported for GitHub Desktop.

- macOS 10.10 or later
- Windows 7 64-bit or later. You must have a 64-bit operating system to run GitHub Desktop.

Download Git For Desktop:

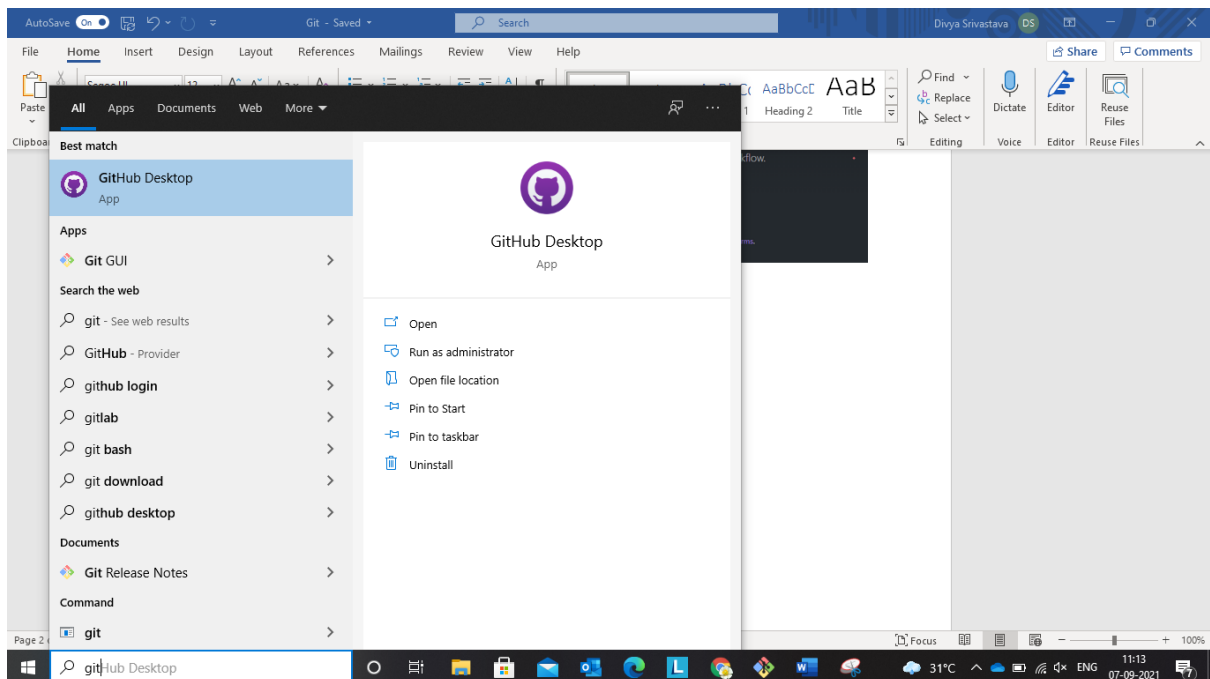
www.desktop.github.com

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2) Run the setup file

3) Click on the icon in your app:



4) Register your Id on Git to create an account: <https://github.com/signup?source=login>

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Welcome to GitHub!
Let's begin the adventure

Enter your email
✓ divya.srivastava@bennett.edu.in

Create a password
✓

Enter a username
✓ Divyabennett

Would you like to receive product updates and announcements via email?
Type "y" for yes or "n" for no

→ n|

Continue

Repository Creation

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The screenshot shows the GitHub homepage. At the top is a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Explore. On the left sidebar, under 'Create your first project', the 'Create repository' button is highlighted with a red underline. To its right is the 'Import repository' link. Below this is the 'Recent activity' section. The main content area features a 'Learn Git and GitHub without any code!' banner with 'Read the guide' and 'Start a project' buttons. Below the banner is the 'All activity' section, which includes an 'Introduce yourself' prompt and a text area for a README file. The README content is as follows:

```
Divyabennett / README.md

1 - 👋 Hi, I'm Divyabennett
2 - 👀 I'm interested in ...
3 - 🌱 I'm currently learning ...
4 - 💬 I'm looking to collaborate on ...
5 - 📫 How to reach me ...
6
```

At the bottom right of the 'All activity' section are 'Dismiss this' and 'Continue' buttons.

Click on create repository:

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Owner *

Repository name *


Divyabennett ▾

/ DevOps lab ✓


Great repository names are short and lowercase. Your new repository will be created as **DevOps-lab**, not **silver-garbanzo?**

Description (optional)

DevOps Lab demo

☒  **Public**

Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**


You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☒ **Add a README file**
This is where you can write a long description for your project. [Learn more.](#)

☐ **Add .gitignore**
Choose which files not to track from a list of templates. [Learn more.](#)

☐ **Choose a license**
A license tells others what they can and can't do with your code. [Learn more.](#)

This will set  **main** as the default branch. Change the default name in your [settings](#).

Create repository

Repository is created as:

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The screenshot shows the GitHub interface for the repository 'Divyabennett / DevOps-lab'. At the top, there's a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below this, the repository name is displayed along with 'main' branch, '1 branch', and '0 tags'. There are buttons for 'Go to file', 'Add file', and 'Code'. The main content area shows the 'Initial commit' by 'Divyabennett' with a commit hash '5d956cd' and a timestamp 'now'. A file named 'README.md' is listed. The file content is visible, showing the title 'DevOps-lab' and a subtitle 'DevOps Lab demo'.

Upload some files and commit the changes

This screenshot shows the GitHub interface for uploading files. It features a large box with a document icon and the text 'Drag additional files here to add them to your repository' and 'Or choose your files'. Below this, a list of uploaded files is shown: 'Lecture1.pdf', 'lecture2.pdf', and 'Devops.pdf'. Each file has a small 'x' icon to its right for removal.

The screenshot shows the 'Commit changes' dialog in GitHub. It has a title 'Commit changes' and a sub-header 'Add files via upload'. Below this is a text area for 'Add an optional extended description...'. There are two radio buttons for the commit destination: 'Commit directly to the main branch.' (which is selected) and 'Create a new branch for this commit and start a pull request. Learn more about pull requests.' At the bottom, there are two buttons: 'Commit changes' (highlighted with a red underline) and 'Cancel'.

Final view of repository:

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Divyabennett / DevOps-lab

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

Go to file Add file Code

Divyabennett Add files via upload 8da4a13 now 2 commits

Devops.pdf	Add files via upload	now
Lecture1.pdf	Add files via upload	now
README.md	Initial commit	26 minutes ago
lecture2.pdf	Add files via upload	now

README.md

DevOps-lab


DevOps Lab demo


Open Git Desktop on your local system


File Edit View Repository Branch Help

Let's get started!

Add a repository to GitHub Desktop to start collaborating

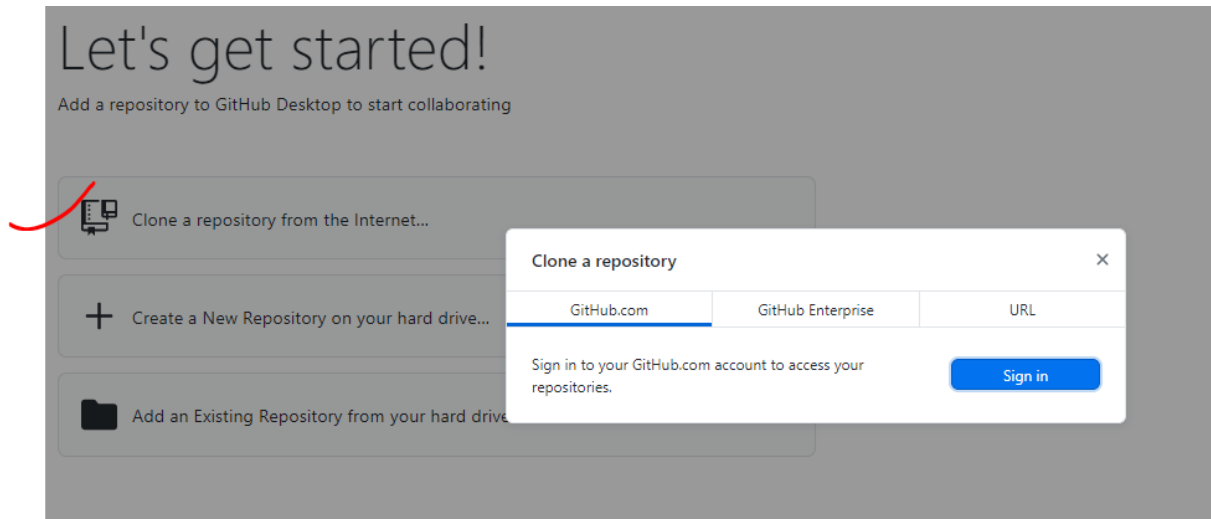
 Clone a repository from the Internet...

 Create a New Repository on your hard drive...

 Add an Existing Repository from your hard drive...


To clone a repository from Internet:

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Sign In:





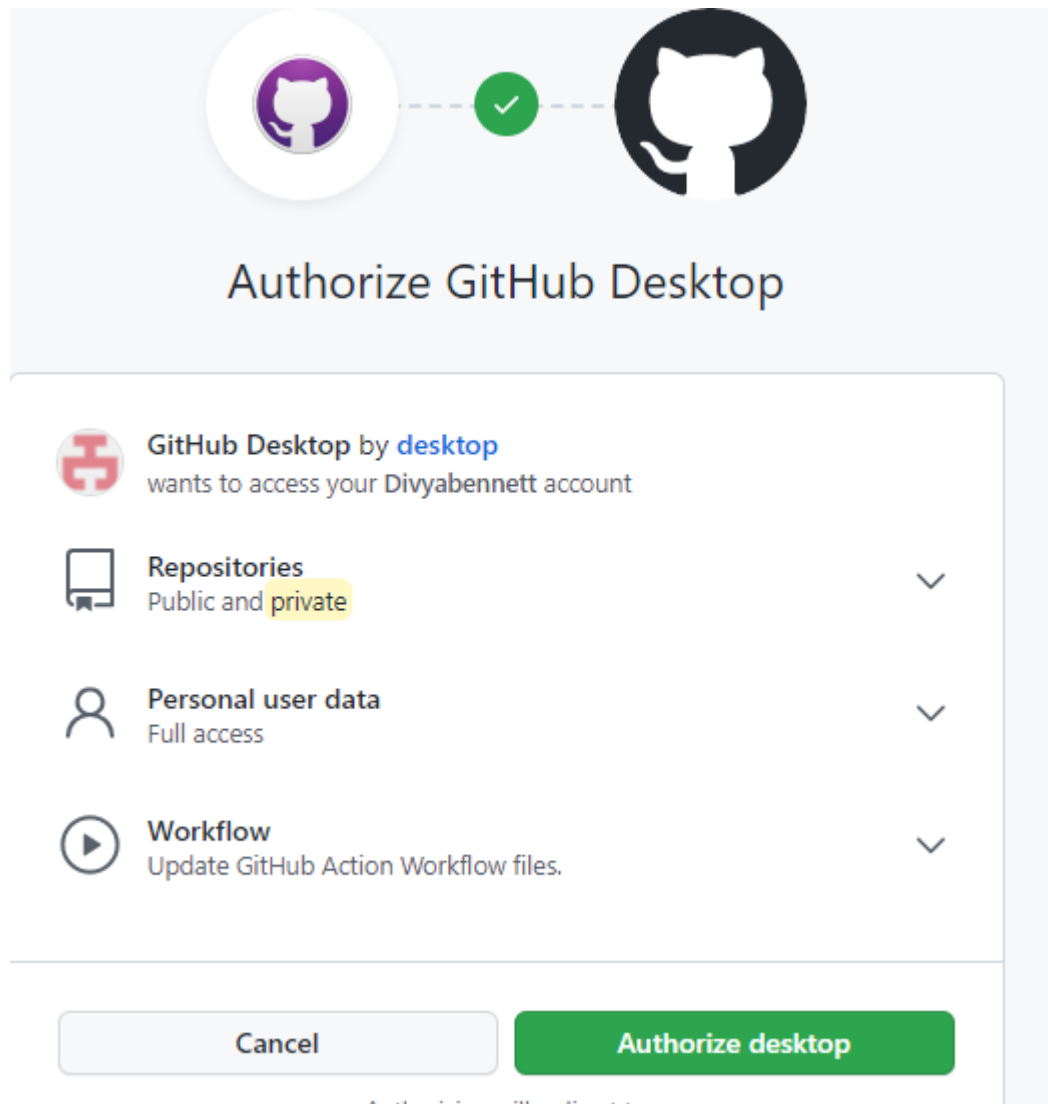
Sign in to GitHub
to continue to GitHub Desktop

Username or email address

Password [Forgot password?](#)

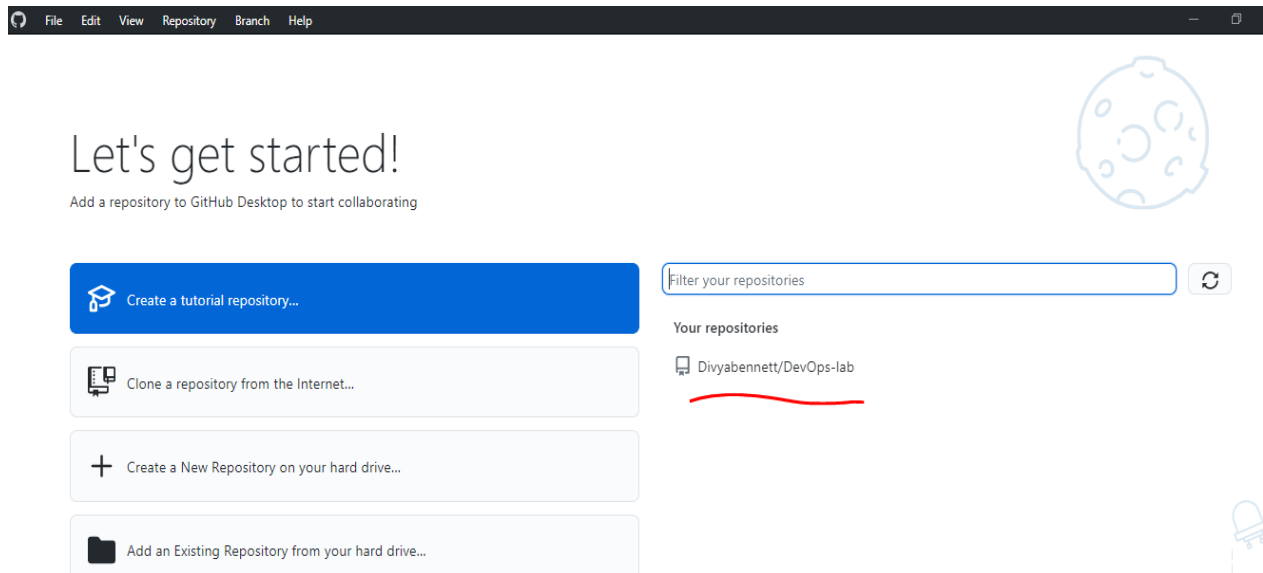
Sign in

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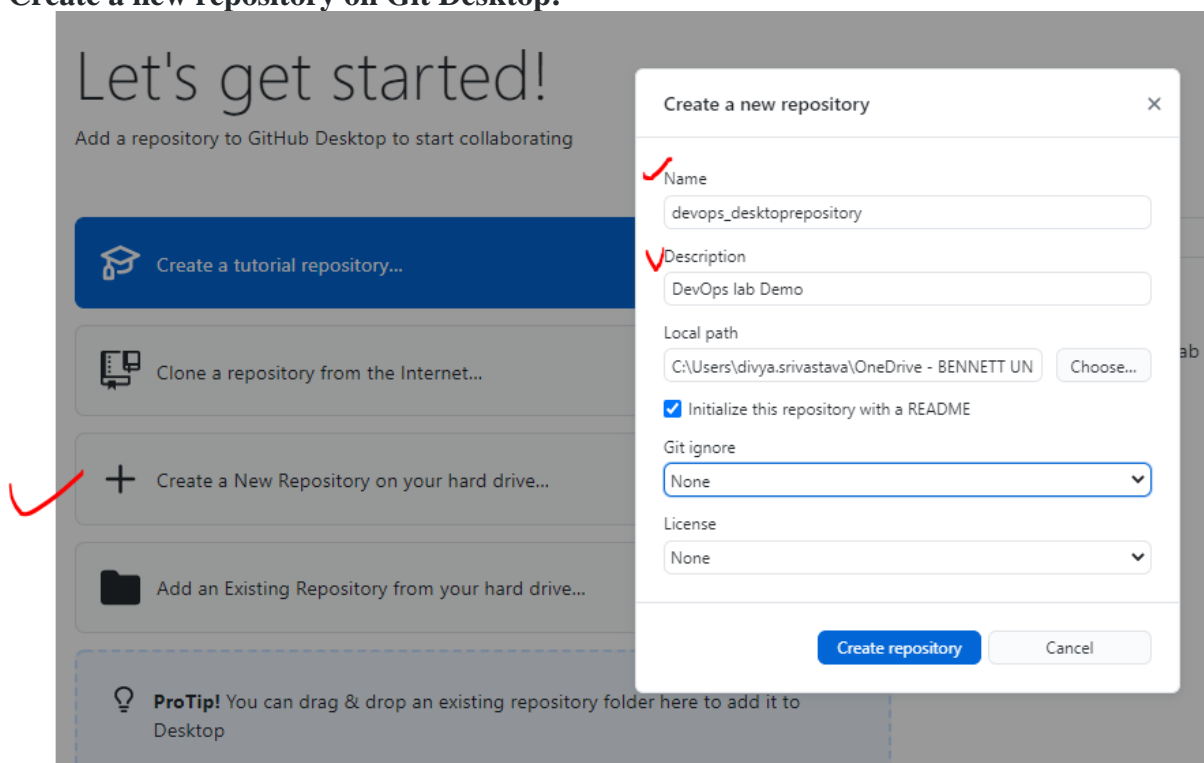


Repository (Online) has been cloned on Git Desktop

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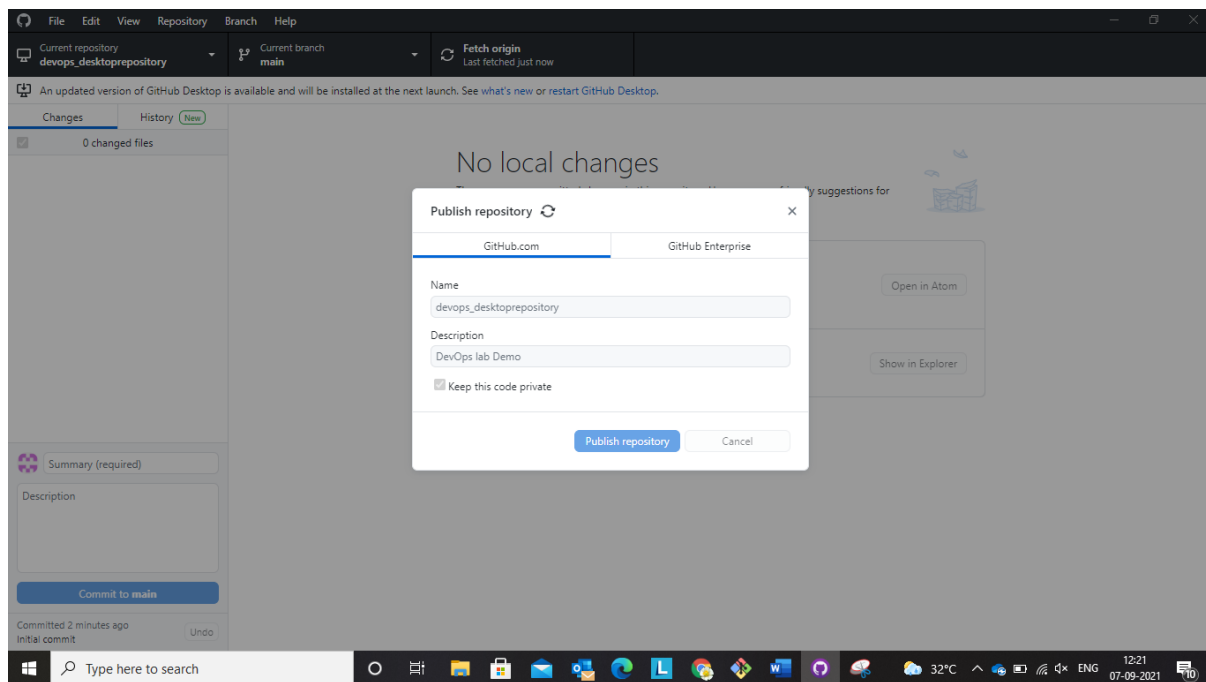
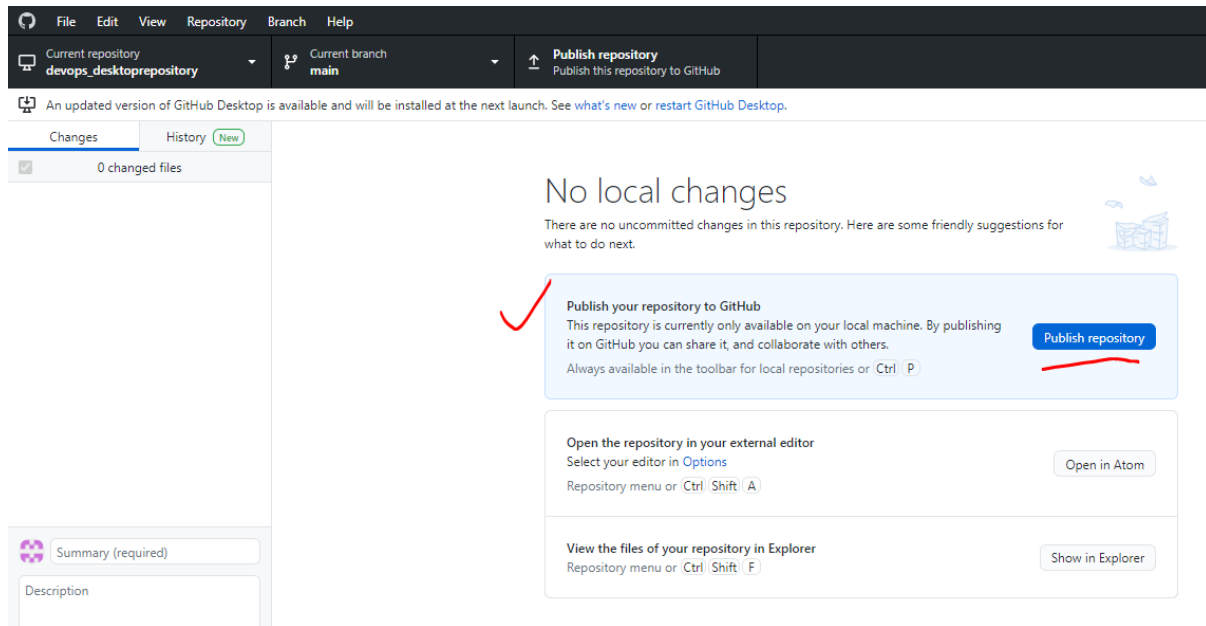
Create a new repository on Git Desktop:



This repository is initially available on your local system only.

To publish it:

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The repository created on Git Desktop is reflected online as well

