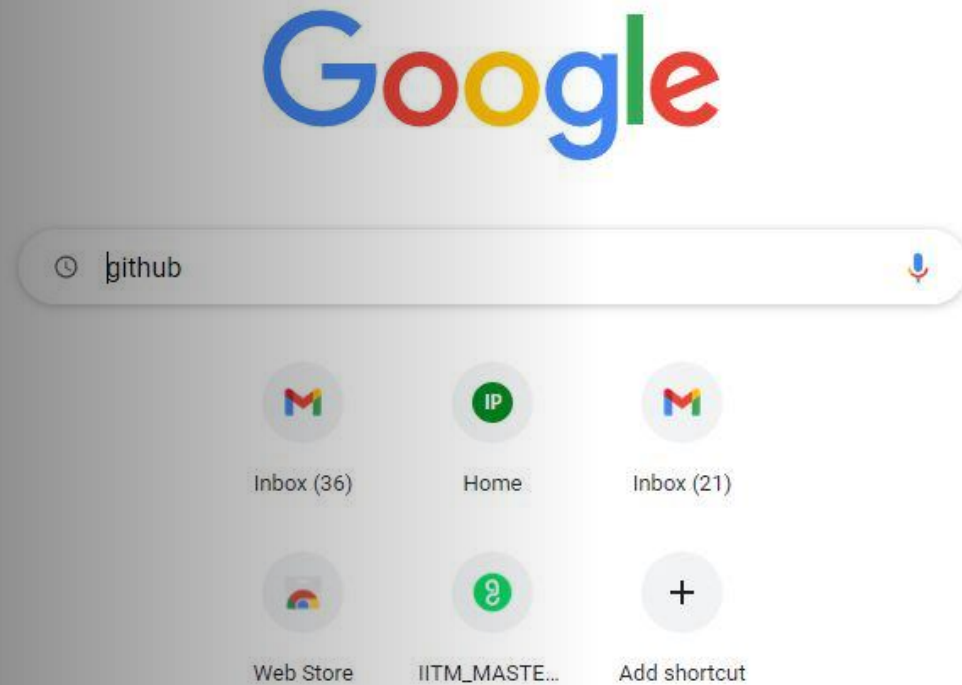


# How to Create GitHub Account

Absolute **B**eginner's



Open Google Browser and type  
GitHub

About 4,21,00,00,000 results (0.86 seconds)

<https://github.com>

## GitHub: Where the world builds software · GitHub

GitHub is where over 73 million developers shape the future of software, together. Contribute to the open source community, manage your Git repositories, ...

Results from github.com



### Sign in

GitHub is where people build software. More than 73 million ...

### Desktop

GitHub Desktop. Focus on what matters instead of fighting with Git.

### Student Developer Pack

The GitHub Student Developer Pack is all you need to learn ...

### Explore

Explore is your guide to finding your next project, catching up ...

### About

Founded in 2007, GitHub has brought millions of developers ...

### Hello World

GitHub is a code hosting platform for version control and ...

People also ask

What is GitHub used for?

GitHub

Software developer



github.com

GitHub, Inc. is a provider of Internet hosting for software development and version control using Git. It offers the distributed version control and source code management functionality of Git, plus its own features. [Wikipedia](#)

**Users:** 56 million (as of September 2020)

**Founded:** 2008

**CEO:** Thomas Dohmke (15 Nov 2021–)

**Headquarters:** San Francisco, California, United States

**Founders:** Tom Preston-Werner, Chris Wanstrath, P. J. Hyett, Scott Chacon

**Parent organization:** Microsoft Corporation

**Subsidiaries:** npm, Inc., Good Software LLC, Semmle Limited

[Disclaimer](#)

Choose the first option



[Why GitHub?](#)[Team](#)[Enterprise](#)[Explore](#)[Marketplace](#)[Pricing](#)[Sign in](#)**GUVI**

Skill Up. Level Up



# Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

[Sign up for GitHub](#)

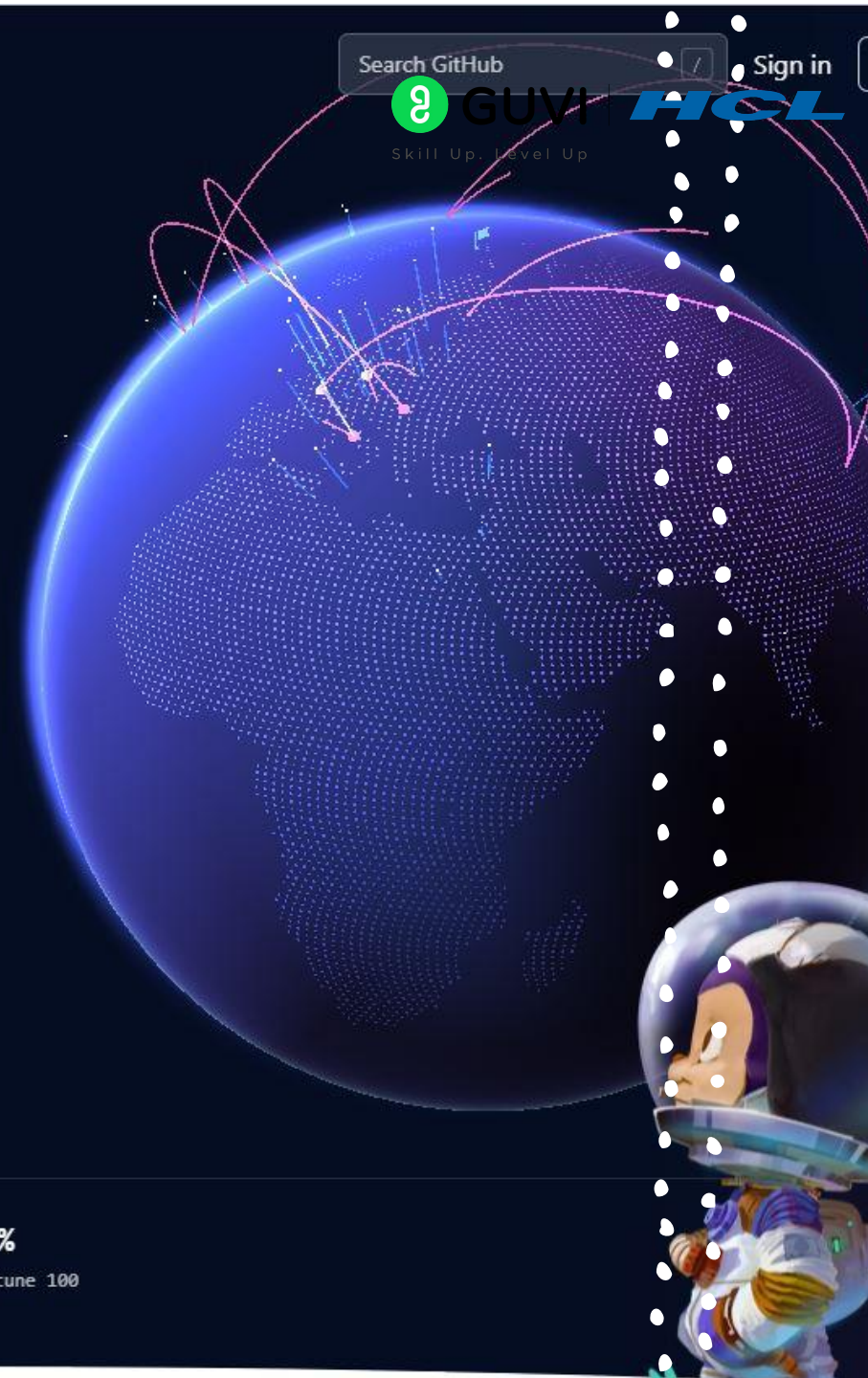
Type your **mail id** to  
signup

73+ million  
Developers

4+ million  
Organizations

200+ million  
Repositories

84%  
Fortune 100





Already have an account? [Sign in →](#)

Welcome to GitHub!  
Let's begin the adventure

Enter your email

→ dsmentors@guvi.in

Continue


Click the **continue** button



Already have an account? [Sign in](#) →

Welcome to GitHub!  
Let's begin the adventure

**Enter your email**  
✓ dsmentors@guvi.in

**Create a password**  
→ .....| 

[Continue](#)

———  
Password is strong

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter.

Enter the **strong password** and  
press **continue**



Already have an account? [Sign in](#) →

Welcome to GitHub!  
Let's begin the adventure

**Enter your email**  
✓ dsmentors@guvi.in

**Create a password**  
✓ .....

**Enter a username**  
→ dsmentors

[Continue](#)

dsmentors is available.

Create a **unique** username and  
press **continue**



Already have an account? [Sign in](#)

Welcome to GitHub!  
Let's begin the adventure

Enter your email  
✓ dsmentors@guvi.in

Create a password  
✓ .....

Enter a username  
✓ dsmentors

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

Continue

If you want any updates type 'y' or  
type 'n' and press continue



Welcome to GitHub!  
Let's begin the adventure

Enter your email

✓ dsmentors@guvi.in

Create a password

✓ .....

Enter a username

✓ dsmentors

Would you like to receive product updates and announcements via email?

Type "y" for yes or "n" for no

✓ y

Verify your account

Please solve this puzzle to verify that you are human

Click "Start puzzle" to continue

Start puzzle

Click **start puzzle** this step is to  
**verify that you are human**

# Solve the puzzle

Welcome to GitHub!  
Let's begin the adventure

Enter your email

✓ dsmentors@guvi.in

Create a password

✓ .....

Enter a username

✓ dsmentors

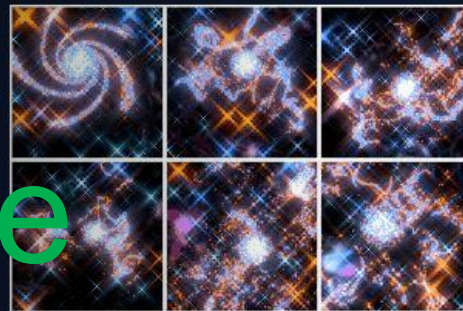
Would you like to receive product updates and announcements via email?

Type "y" for yes or "n" for no

✓ y

Verify your account

Pick the spiral galaxy



You got **8-digit code** in your **mail id** enter that in verification box to get sign-in



Here's your GitHub launch code, @dsmentors!



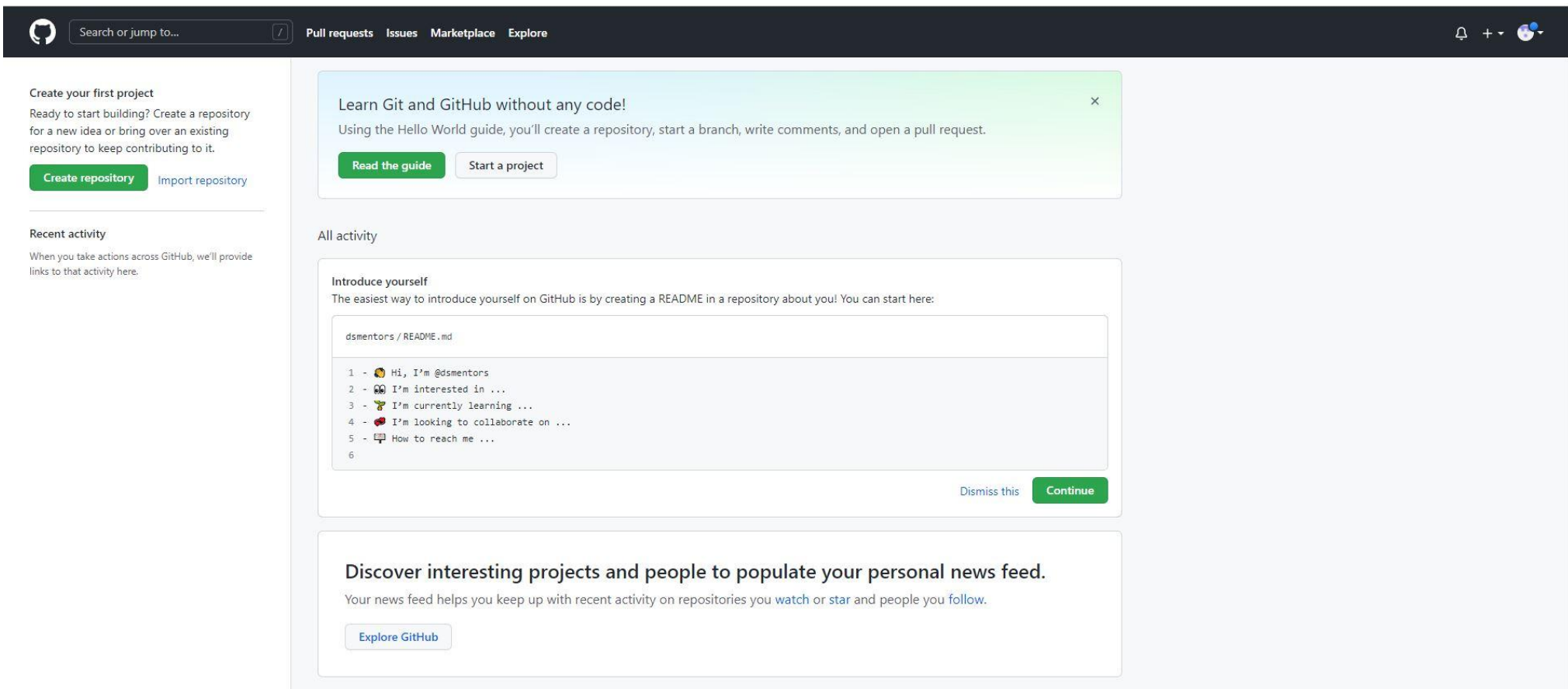
Continue signing up for GitHub by entering the code below:

\*\*\*\*\*

Open GitHub

Once completed, you can start using all of GitHub's features to explore, build, and share projects.

# Finally, we have created the Git-Hub Account



The screenshot shows the GitHub homepage for a new user. The top navigation bar includes the GitHub logo, a search bar, and links to Pull requests, Issues, Marketplace, and Explore. On the left sidebar, there are sections for 'Create your first project' with buttons for 'Create repository' and 'Import repository', and 'Recent activity'. The main content area features a green banner to 'Learn Git and GitHub without any code!' with buttons for 'Read the guide' and 'Start a project'. Below this is the 'All activity' section, which includes an 'Introduce yourself' guide with a sample README file content and a 'Continue' button. At the bottom, there is a section to 'Discover interesting projects and people to populate your personal news feed.' with an 'Explore GitHub' button.

**Create your first project**  
 Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.  
[Create repository](#) [Import repository](#)

**Recent activity**  
 When you take actions across GitHub, we'll provide links to that activity here.

**Learn Git and GitHub without any code!**  
 Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.  
[Read the guide](#) [Start a project](#)

**All activity**

**Introduce yourself**  
 The easiest way to introduce yourself on GitHub is by creating a README in a repository about you! You can start here:

```
dsmentors / README.md

1 - 👋 Hi, I'm @dsmentors
2 - 🤖 I'm interested in ...
3 - 📖 I'm currently learning ...
4 - 🍷 I'm looking to collaborate on ...
5 - 📫 How to reach me ...
6
```

[Dismiss this](#) [Continue](#)

**Discover interesting projects and people to populate your personal news feed.**  
 Your news feed helps you keep up with recent activity on repositories you [watch](#) or [star](#) and people you [follow](#).  
[Explore GitHub](#)

- Next we can see how to create the Git-Hub Repository

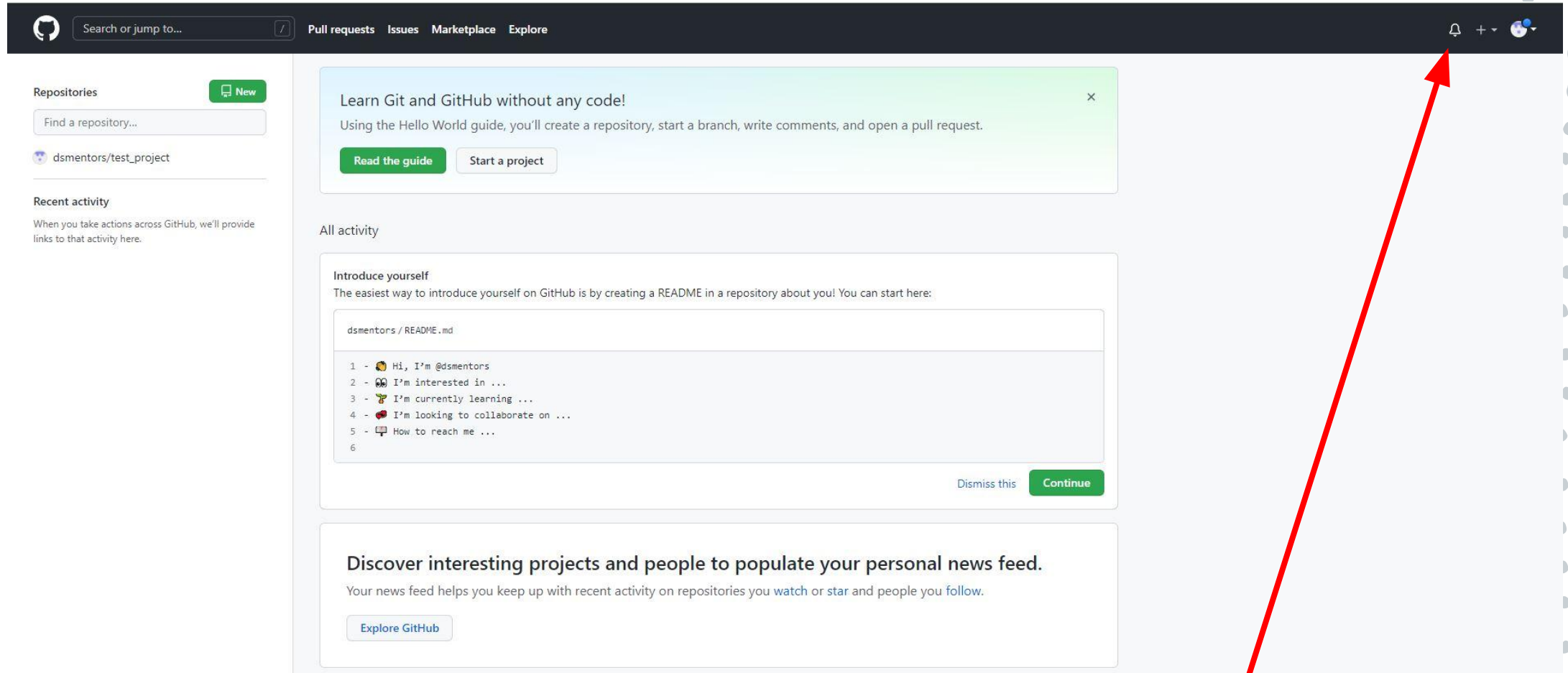




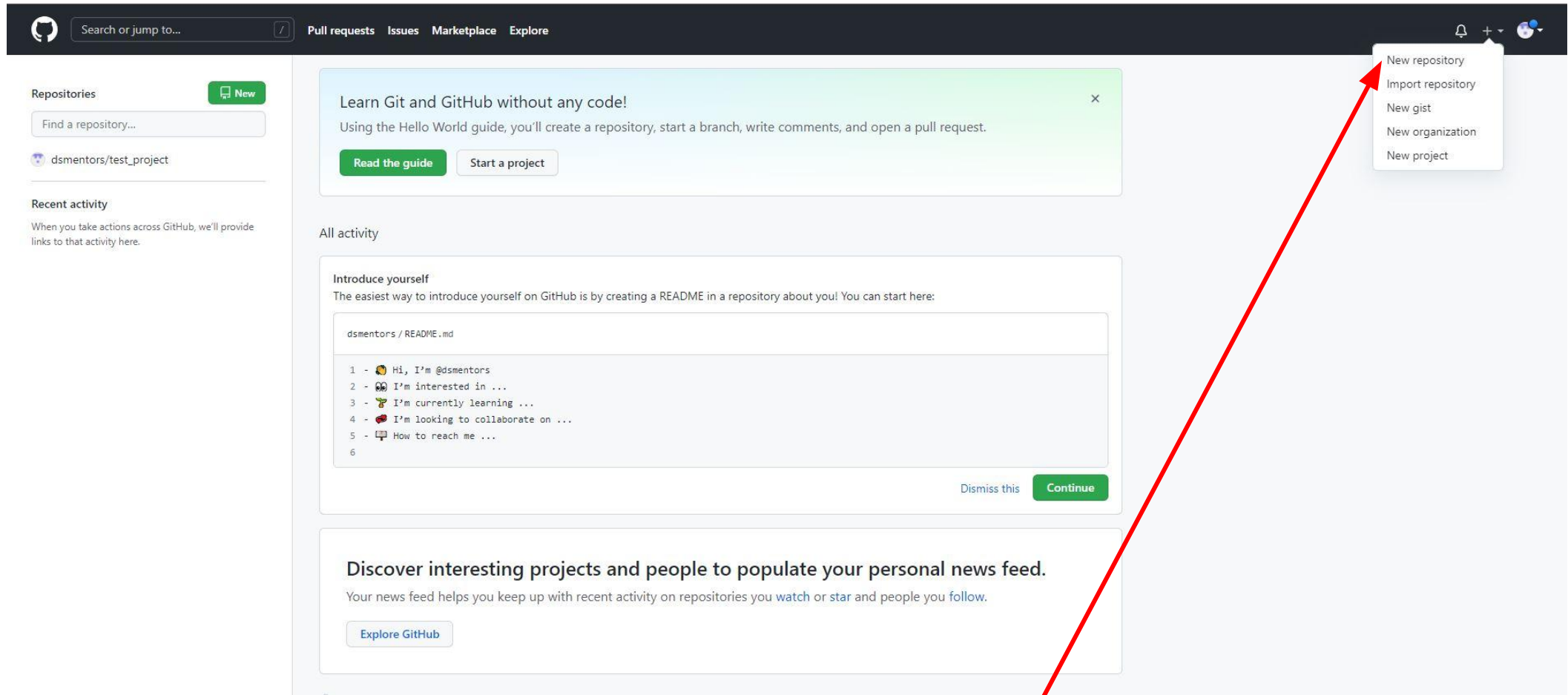
# How to Create GitHub Repository

GUVI-IITM MASTER SCIENCE PROGRAM

Absolute **B**eginner's



Open Your Git-Hub account and click on '+'  
button on top right corner



Click on **new repository**

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner \* dsmentors / Repository name \* assignment\_1

Great repository names are short and memorable. Need inspiration? How about [fuzzy-telegram](#)?

Description (optional)

ATM Machine operation

☒ 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.](#)

Create repository

Type the repository name and fill the Brief Description of your project

Search or jump to... Pull requests Issues Marketplace Explore

### Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner \* / Repository name \*  
dsmentors / assignment\_1 ✓

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☐ 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.](#)

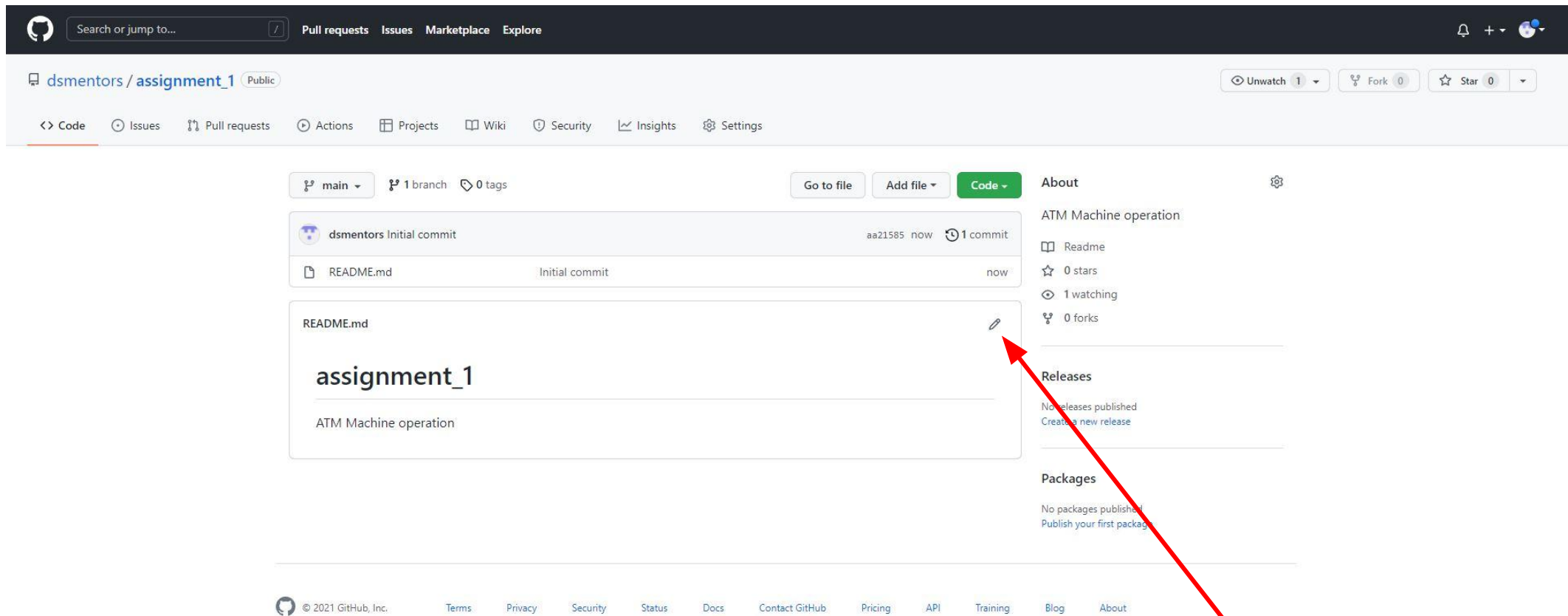
This will set `main` as the default branch. Change the default name in your settings.

Create repository

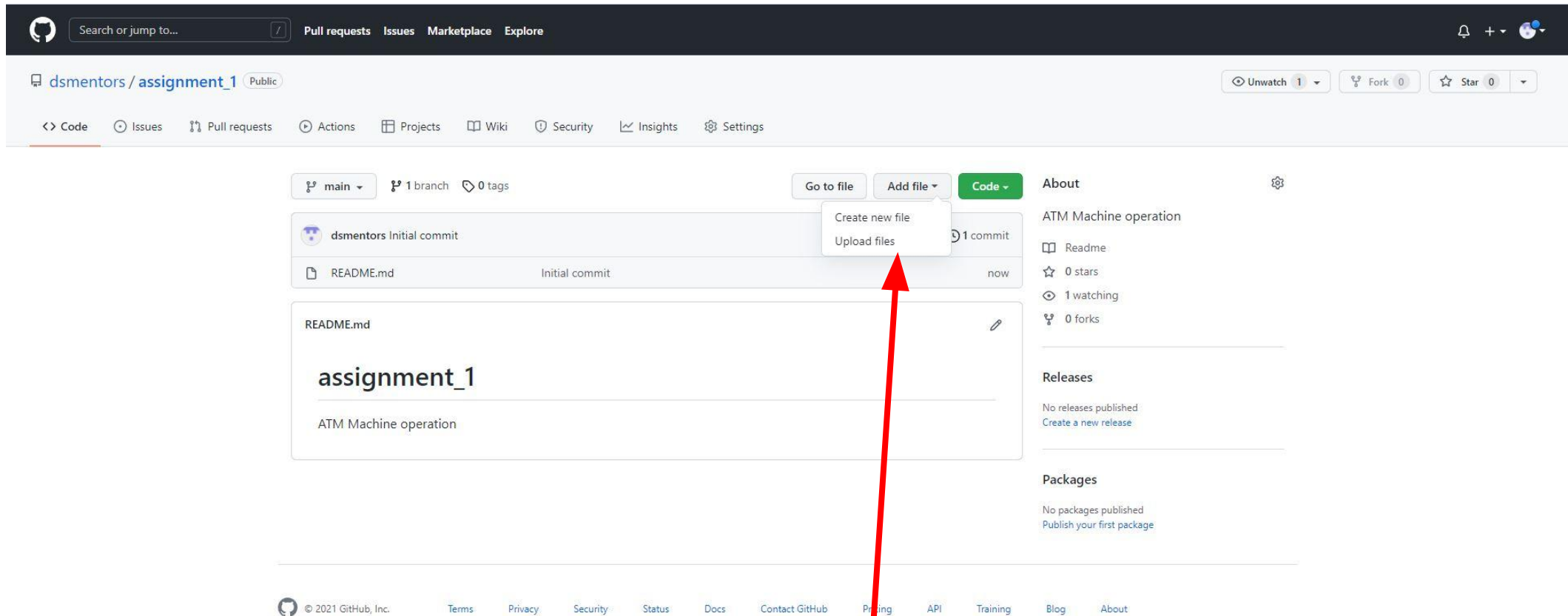
Activate Windows  
Go to Settings to activate Windows.

Select the **Add a ReadMe** File to add the details of the project like **Architecture / Wireframe** or **some description**

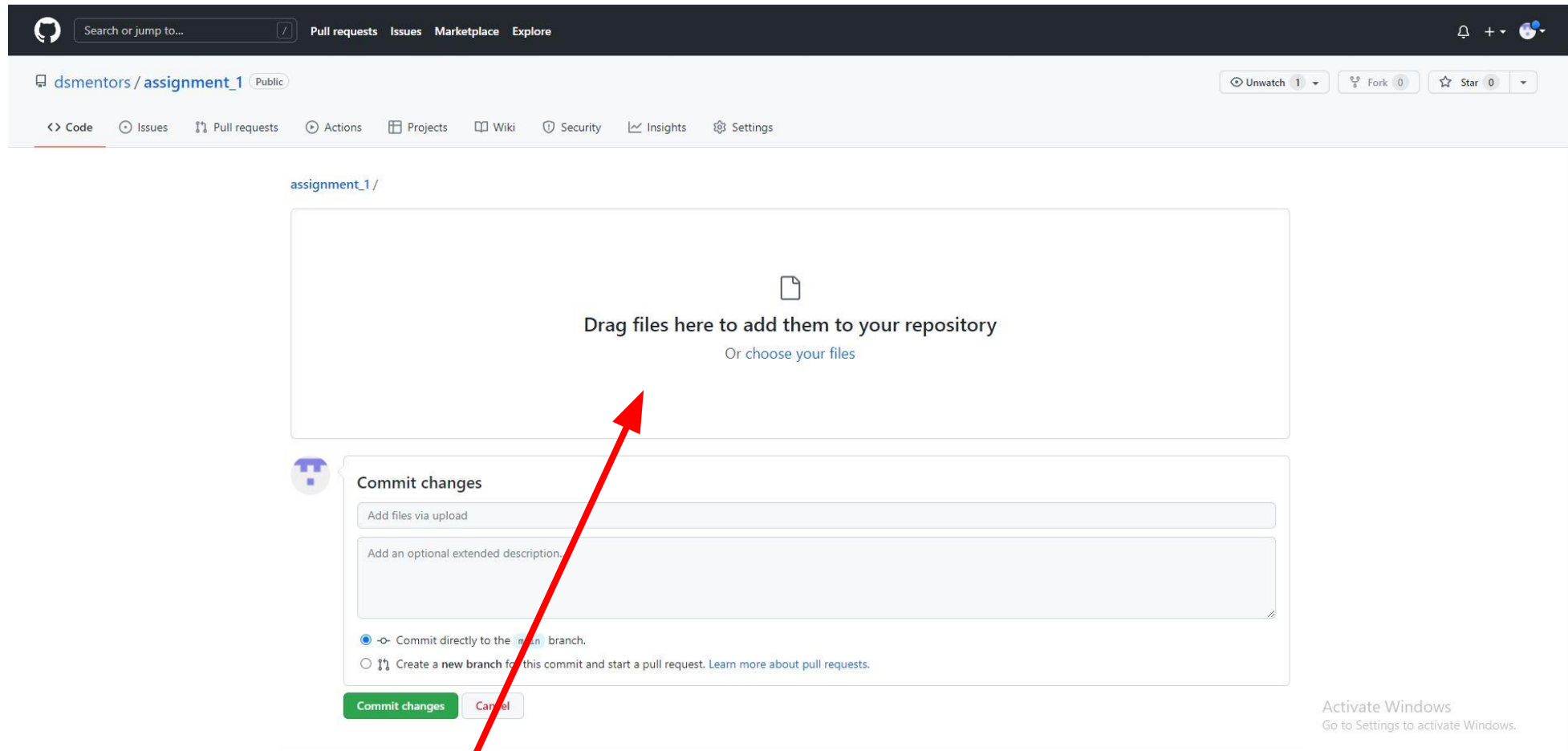




Add the description of project by clicking in  
ReadMe file



To add project click **add file** and select **upload files**



Drag and drop your file in this Area to upload the file

assignment\_1/



Drag additional files here to add them to your repository

Or choose your files

atm.py



### Commit changes

Add files via upload

Add an optional extended description...

☒ Commit directly to the `main` branch.

☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes

Cancel

Your file got uploaded add some description  
and click commit change

The screenshot shows the GitHub interface for a repository named 'dsmentors/assignment\_1'. The repository is public and has 1 branch (main) and 0 tags. It contains two files: 'README.md' (Initial commit, 4 minutes ago) and 'atm.py' (Add files via upload, now). A red arrow points to the 'assignment\_1' text in the README.md preview. The right sidebar shows repository statistics: 0 stars, 1 watching, and 0 forks. The footer includes the GitHub logo, copyright notice, and various links like Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

Successful uploaded the project in Git-Hub  
Repository



- Next we can see How to connect the Google Colab with the Git-Hub Repository



# How to upload Google colab file into Git-Hub Repository

GUVI-IITM MASTER SCIENCE PROGRAM

Absolute **B**eginner's

convolutional\_neural\_network.ipynb ☆  
File Edit View Insert Runtime Tools Help Last saved at 9:20 AM

Table of contents

- Convolutional Neural Network
  - Importing the libraries
  - Part 1 - Data Preprocessing
    - Preprocessing the Training set
    - Preprocessing the Test set
  - Part 2 - Building the CNN
    - Initialising the CNN
    - Step 1 - Convolution
    - Step 2 - Pooling
    - Adding a second convolutional layer
    - Step 3 - Flattening
    - Step 4 - Full Connection
    - Step 5 - Output Layer
  - Part 3 - Training the CNN
    - Compiling the CNN
    - Training the CNN on the Training set and evaluating it on the Test set
  - Part 4 - Making a single prediction

Section

Convolutional Neural Network

Importing the libraries

```
[ ] import tensorflow as tf
    from keras.preprocessing.image import ImageDataGenerator
```

```
[ ] tf.__version__
```

Part 1 - Data Preprocessing

Preprocessing the Training set

```
[ ] train_datagen = ImageDataGenerator(rescale = 1./255,
    shear_range = 0.2,
    zoom_range = 0.2,
    horizontal_flip = True)

    training_set = train_datagen.flow_from_directory('dataset/training_set',
    target_size = (64, 64),
    batch_size = 32,
    class_mode = 'binary')
```

Preprocessing the Test set

```
[ ] test_datagen = ImageDataGenerator(rescale = 1./255)
    test_set = test_datagen.flow_from_directory('dataset/test_set',
```

Open your **google colab** file which you want to  
link with **Git-hub**

The screenshot shows a Jupyter Notebook titled 'convolutional\_neural\_network.ipynb' in a web-based IDE. The 'File' menu is open, displaying various options. A red arrow points to the 'Save a copy in GitHub' option. The notebook content includes a title 'Convolutional Neural Network', a section 'Importing the libraries' with code for TensorFlow and Keras, and a section 'Part 1 - Data Preprocessing' with code for training and test data preprocessing.

convolutional\_neural\_network.ipynb

File Edit View Insert Runtime Tools Help Last saved at 9:20 AM

Locate in Drive  
Open in playground mode

New notebook  
Open notebook Ctrl+O  
Upload notebook

Rename  
Move  
Move to trash

Save a copy in Drive  
Save a copy as a GitHub Gist  
Save a copy in GitHub

Save Ctrl+S  
Save and pin revision Ctrl+M S  
Revision history

Download  
Print Ctrl+P

Training the CNN on the Training set and evaluating it on the Test set  
Part 4 - Making a single prediction

Section

Code + Text

Connect Editing

### Convolutional Neural Network

#### Importing the libraries

```
] import tensorflow as tf
from keras.preprocessing.image import ImageDataGenerator

] tf.__version__
```

#### Part 1 - Data Preprocessing

##### Preprocessing the Training set

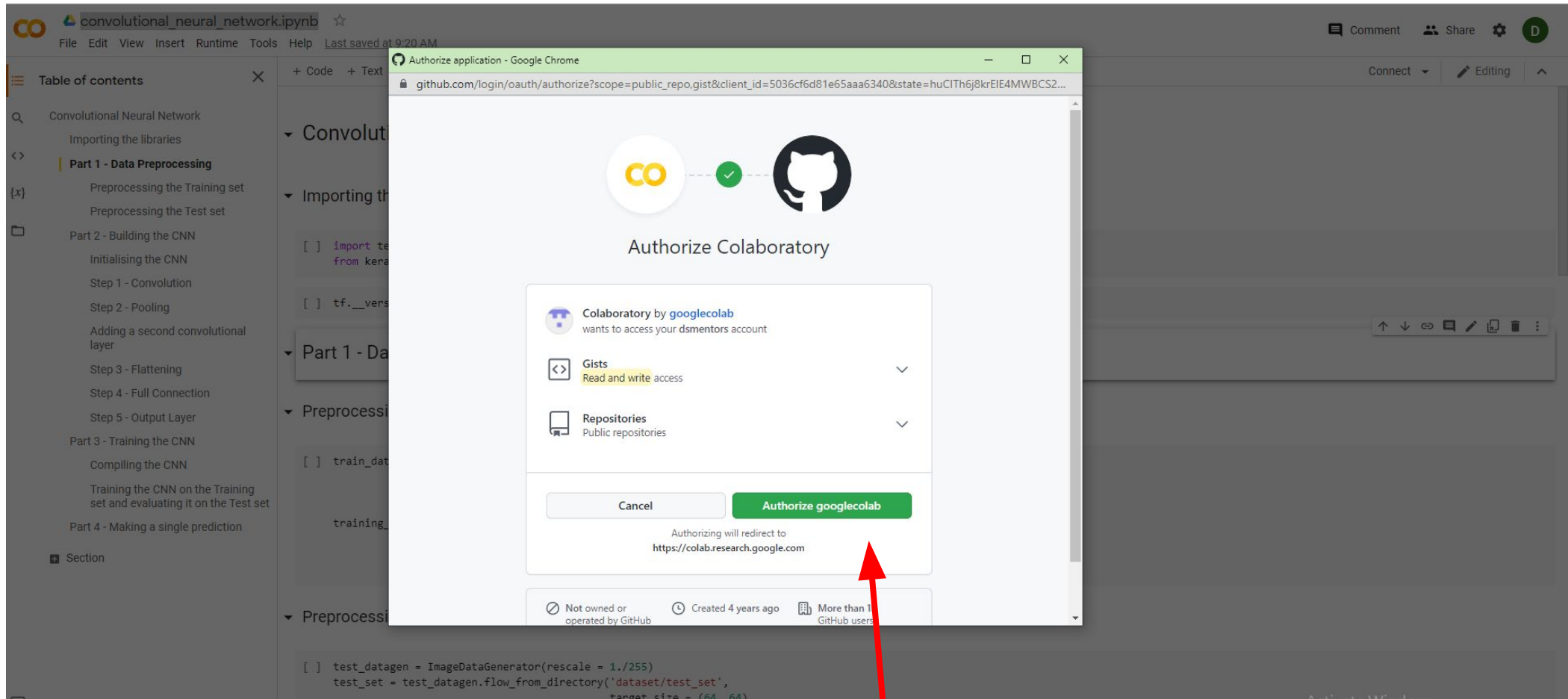
```
] train_datagen = ImageDataGenerator(rescale = 1./255,
                                     shear_range = 0.2,
                                     zoom_range = 0.2,
                                     horizontal_flip = True)

training_set = train_datagen.flow_from_directory('dataset/training_set',
                                                target_size = (64, 64),
                                                batch_size = 32,
                                                class_mode = 'binary')
```

##### Preprocessing the Test set

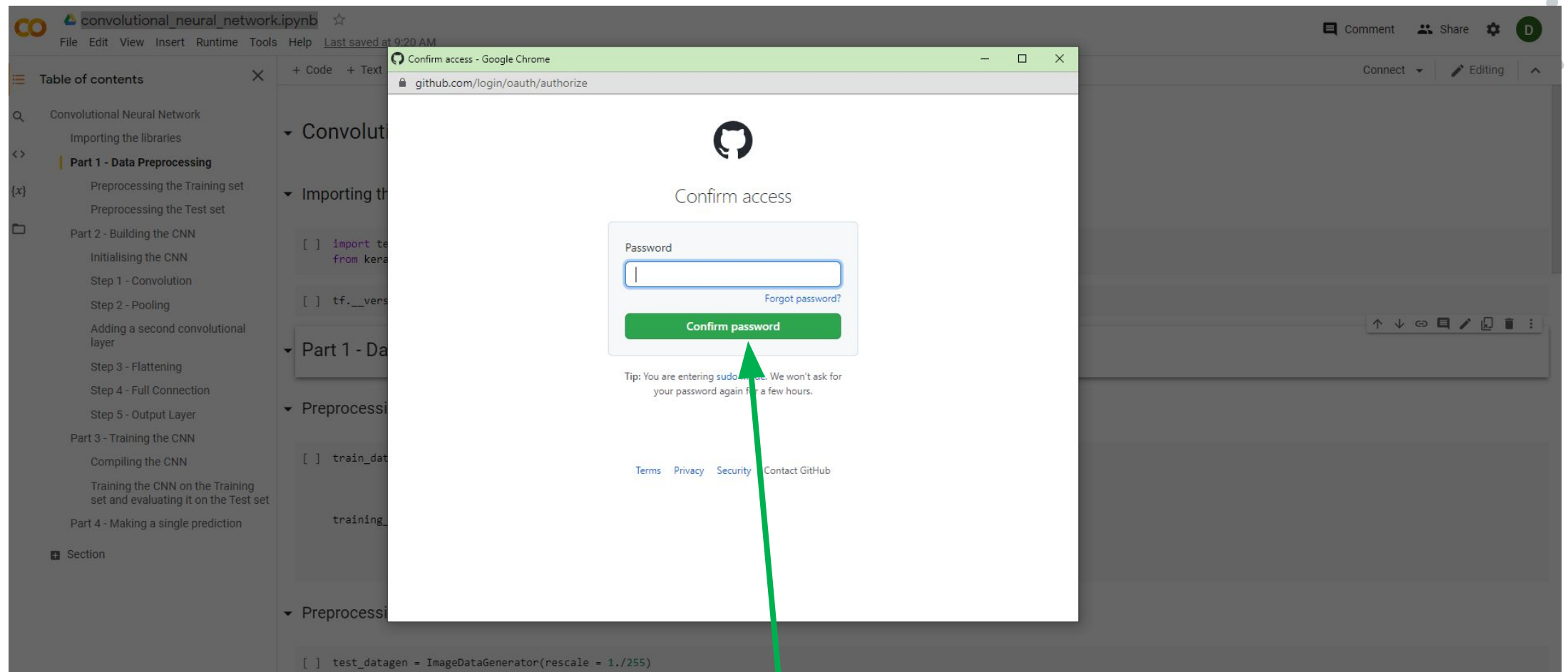
```
[ ] test_datagen = ImageDataGenerator(rescale = 1./255)
```

Click the **file** and select **save copy in**  
**Git-Hub**

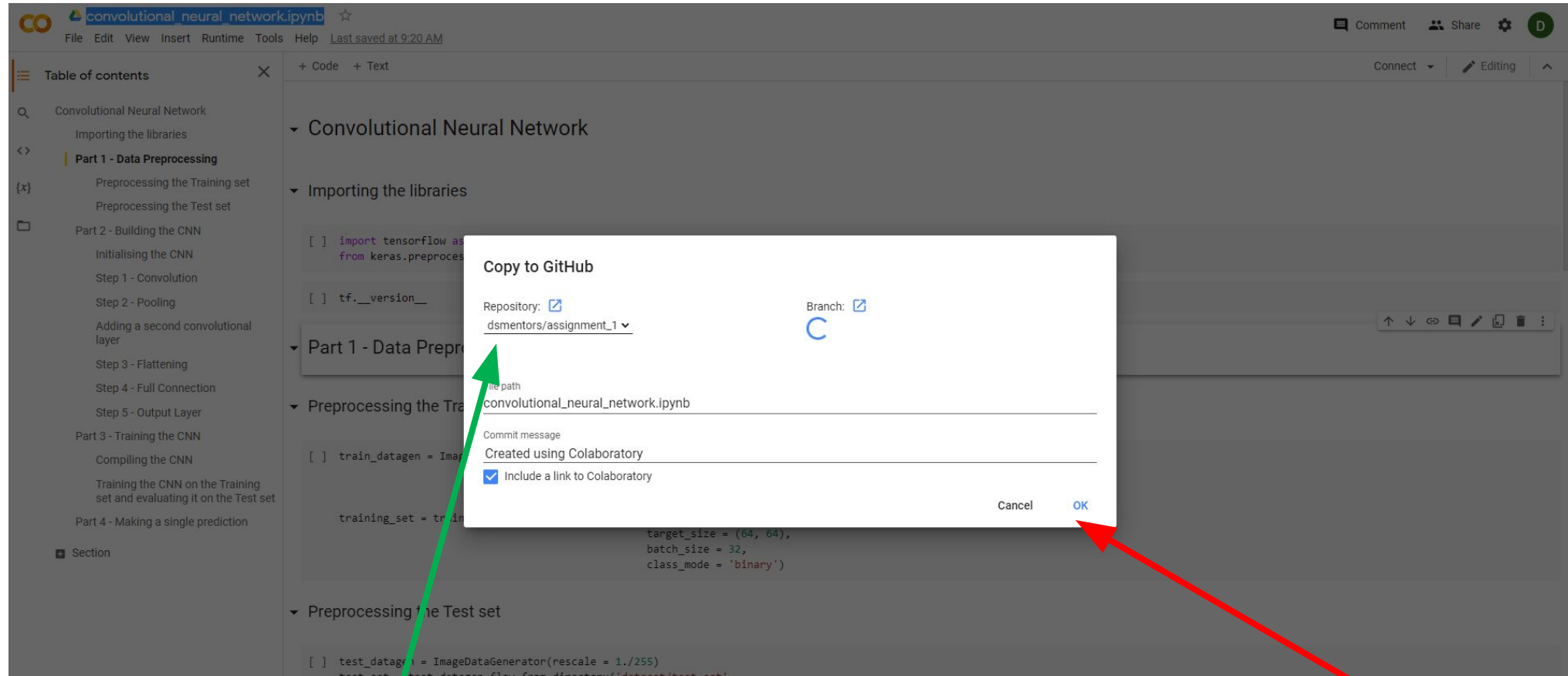


Click **Authorize Googlecolab**





Enter your **Git-Hub Password**



Select the repository you want to upload and  
press 'ok'

The screenshot shows a GitHub repository page for 'dsmentors / assignment\_1'. The repository is public and has 1 Unwatch, 0 Fork, and 0 Star. The file 'convolutional\_neural\_network.ipynb' is selected, showing its metadata: 370 lines (370 sloc), 8.49 KB, and a latest commit 'bdc98c3 now'. The notebook content is visible, starting with 'Convolutional Neural Network' and 'Importing the libraries'. The code includes imports for tensorflow, keras, and ImageDataGenerator, and a section for 'Part 1 - Data Preprocessing' where a training data generator is initialized.

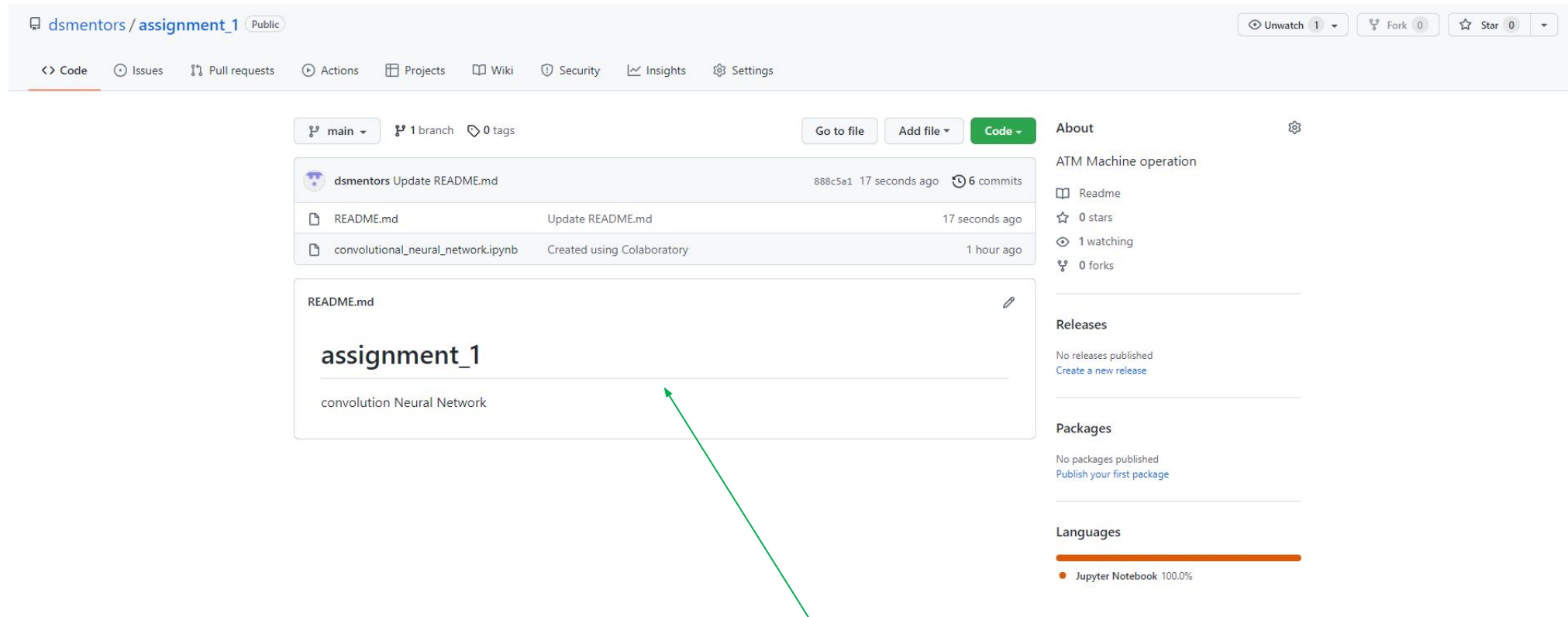
```
In [ ]: import tensorflow as tf
        from keras.preprocessing.image import ImageDataGenerator

In [ ]: tf.__version__

Part 1 - Data Preprocessing
Preprocessing the Training set

In [ ]: train_datagen = ImageDataGenerator(rescale = 1./255,
        shear_range = 0.2,
        zoom_range = 0.2
```

That will **redirect to Git-Hub** and your project  
was **successfully uploaded in Git-Hub**  
**Repository**



The screenshot shows a GitHub repository page for 'dsmentors / assignment\_1'. The repository is public and has 1 branch (main) and 0 tags. The file list shows 'README.md' (updated 17 seconds ago) and 'convolutional\_neural\_network.ipynb' (created using Colaboratory, 1 hour ago). The README content is visible, showing the title 'assignment\_1' and the subtitle 'convolution Neural Network'. A green arrow points to the README content area. The right sidebar shows repository statistics: 0 stars, 1 watching, 0 forks, and 0 releases. The language bar shows 100.0% Jupyter Notebook.

Add some **Brief Description** of Your Project in **Read Me** and your project is ready to share