

## **System-administration**

<https://www.techopedia.com/definition/22441/system-administration>

### **OSI MODEL Intro :**

<https://www.cloudflare.com/en-in/learning/ddos/glossary/open-systems-interconnection-model-osi/>

<https://www.geeksforgeeks.org/layers-of-osi-model/>

<https://www.imperva.com/learn/application-security/osi-model/>

<https://www.geeksforgeeks.org/layers-of-osi-model/>

### **Diff between Application server and Web Server and Database Server**

<https://www.geeksforgeeks.org/difference-between-web-server-and-application-server/>

[https://dev.to/k\\_penguin\\_sato/web-serverapplication-serverdatabase-server-d4k](https://dev.to/k_penguin_sato/web-serverapplication-serverdatabase-server-d4k)

<https://phoenixnap.com/blog/web-server-vs-application-server>

## **Linux Basics**

[https://www.youtube.com/watch?v=\\_OHi608AbeA&list=PLVIQHNRLfIP8Wn](https://www.youtube.com/watch?v=_OHi608AbeA&list=PLVIQHNRLfIP8Wn)

[cRgkwFqTOzRf\\_GSgl00 \( Youtube \)](#)

<https://www.freecodecamp.org/news/learn-the-basics-of-the-linux-operating-system/>

<https://www.digitalocean.com/community/tutorials/an-introduction-to-linux-basics>

<https://cloudacademy.com/blog/linux-for-beginners-taking-your-first-steps/>

<https://www.guru99.com/unix-linux-tutorial.html>

[https://kodekloud.com/courses/the-linux-basics-course/?utm\\_source=google&utm\\_medium=&utm\\_id=16890563714&utm\\_content=&utm\\_term=&creativeId=&gclid=Cj0KCQjwuO6WBhDLARIaAldeyDLKruGZPgradM9eVudpCmWVugg8i0aCusRKdCCxc4p3QjOLzHtHc8aAmWJEALw\\_wcB&gclid=Cj0KCQjwuO6WBhDLARIaAldeyDLKruGZPgradM9eVudpCmWVugg8i0aCusRKdCCxc4p3QjOLzHtHc8aAmWJEALw\\_wcB](https://kodekloud.com/courses/the-linux-basics-course/?utm_source=google&utm_medium=&utm_id=16890563714&utm_content=&utm_term=&creativeId=&gclid=Cj0KCQjwuO6WBhDLARIaAldeyDLKruGZPgradM9eVudpCmWVugg8i0aCusRKdCCxc4p3QjOLzHtHc8aAmWJEALw_wcB&gclid=Cj0KCQjwuO6WBhDLARIaAldeyDLKruGZPgradM9eVudpCmWVugg8i0aCusRKdCCxc4p3QjOLzHtHc8aAmWJEALw_wcB)

**B** ( Click on this link you will get below shown page )

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DEVOPS

## Learning Linux Basics Course & Labs

4.8 ★★★★☆ HOW STUDENTS RATE KODEKLOUD 500000+ STUDENTS

Taught by: Mumshad Mannambeth, Vijin Palazhi

Not Enrolled

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COURSE INCLUDES

10 Lessons

As per Stack overflow's insights the most common and the most loved platform happens to be Linux. If you do a quick search online on Linux you'll see some interesting statistics. All of the fastest 500 supercomputers in the world run on Linux. 96.3 percent of the top 1 million web server run on Linux. And 86% of all smartphones are powered by Linux.

## Overview of global- infrastructure, geographies

<https://azure.microsoft.com/en-in/global-infrastructure/geographies/#overview>

## How to sign up AWS portal

[https://portal.aws.amazon.com/billing/signup?redirect\\_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation#/start](https://portal.aws.amazon.com/billing/signup?redirect_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation#/start)

## AWS free tier account categories

[https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=\\*all&awsf.Free%20Tier%20Categories=\\*all](https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all)

## How to create and activate AWS account

<https://aws.amazon.com/premiumsupport/knowledge-center/create-and-activate-aws-account/>

## AWS free tier account

<https://k21academy.com/amazon-web-services/aws-solutions-architect/create-aws-free-tier-account/>

## Basics concepts

<https://www.shutterstock.com/search/data+center>

<https://docs.microsoft.com/en-us/learn/browse/?products=azure%2Csql-server%2Cwindows-server>

<https://csc.docs.microsoft.com/ignite/registration/March2021>

<https://docs.google.com/document/d/1InLiZ6tPjMB2z4Hzem9JfF1WEXsQNSkmVDdAdnZQXIY/edit> ( Choco install )

## 1. Install chocolatey software on windows.

## 2. Install below softwares using chocolatey.

- > Git
- > Vscode
- > Notepadplusplus
- > Vlc
- > MobaXterm
- > WinScp
- > Beyond Compare

<https://infrastructuremap.microsoft.com/explore>

<https://aws.amazon.com/compliance/data-center/data-centers/>

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/tracking-free-tier-usage.html> [

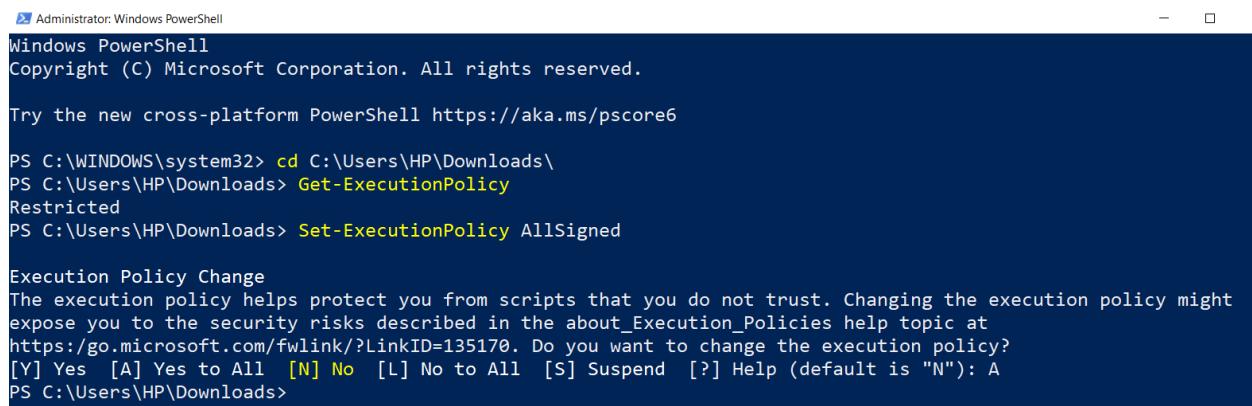
Free tier usage ]

[https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=\\*all&awsf.Free%20Tier%20Categories=\\*all](https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all)

## CHOCOLATEY SOFTWARE INSTALLATION:-

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<https://chocolatey.org/install>



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\WINDOWS\system32> cd C:\Users\HP\Downloads\
PS C:\Users\HP\Downloads> Get-ExecutionPolicy
Restricted
PS C:\Users\HP\Downloads> Set-ExecutionPolicy AllSigned

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might
expose you to the security risks described in the about_Execution_Policies help topic at
https://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): A
PS C:\Users\HP\Downloads>
```

```
PS C:\Users\HP\Downloads> choco -v  
1.1.0  
PS C:\Users\HP\Downloads> choco install vscode -y
```

=====

<https://www.geeksforgeeks.org/working-on-git-bash/> [ Git bash ]

AWS FREE TIER ACCOUNT CREATION STEP BY STEP :

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<https://k21academy.com/amazon-web-services/aws-solutions-architect/create-aws-free-tier-account/>

AZURE FREE TIER ACCOUNT CREATION STEP BY STEP:

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<https://k21academy.com/microsoft-azure/create-free-microsoft-azure-trial-account/>

**Azure fundamental concepts**

<https://docs.microsoft.com/en-us/learn/modules/fundamental-azure-concepts/>

-----  
**Linux commands cheat sheet :**

<https://www.interviewbit.com/linux-commands-cheat-sheet/>

<https://www.guru99.com/linux-commands-cheat-sheet.html>

Microsoft outlook account creation Steps :

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<https://account.microsoft.com/account?lang=en-hk>

=====

Vi editor practice 

=====

<https://openvim.com/>

=====

<https://opensource.com/article/18/1/step-step-guide-git>

**NOTE :** Before starting the git practice please read below documentation.

<https://medium.com/cassandra-cryptoassets/git-basics-a-step-by-step-tutorial-c3098934fa95>

<https://opensource.com/article/18/1/step-step-guide-git>

<https://www.freecodecamp.org/news/learn-the-basics-of-git-in-under-10-minutes-da548267cc91/> ( It's good )

<https://www.digite.com/blog/introduction-to-devops/#:~:text=DevOps%20is%20the%20acronym%20given,seamlessly%20work%20with%20better%20communication.> ( Intro DevOps )

<https://geekflare.com/devops-basics/>

<https://www.freecodecamp.org/news/git-cheat-sheet/>

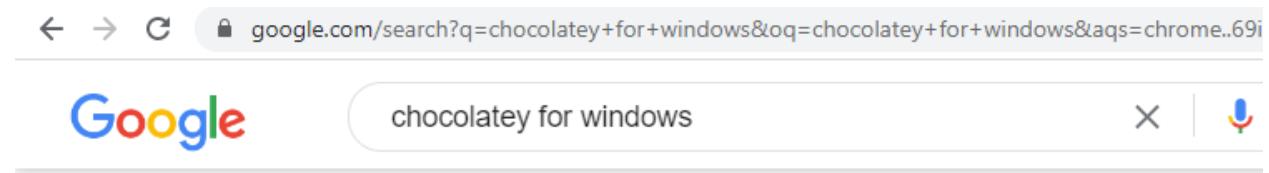
**Prerequisites softwares for DevOps :**

=====

**Chocolatey**

<https://chocolatey.org/install>

Installing chocolatey 



<https://chocolatey.org/install> ::

## Installing Chocolatey

Chocolatey is software management automation for Windows that wraps ...

[Setup / Install](#) · [How Chocolatey Works](#) · [Getting Started](#) · [Courses](#)

<https://community.chocolatey.org/packages> ::

 **NOTE:** Please inspect <https://community.chocolatey.org/install.ps1> prior to running any of these scripts to ensure safety. We already know it's safe, but you should verify the security and contents of **any** script from the internet you are not familiar with. All of these scripts download a remote PowerShell script and execute it on your machine. We take security very seriously. [Learn more about our security protocols.](#)

With PowerShell, you must ensure `Get-ExecutionPolicy` is not Restricted. We suggest using `Bypass` to bypass the policy to get things installed or `AllSigned` for quite a bit more security.

- Run `Get-ExecutionPolicy`. If it returns `Restricted`, then run `Set-ExecutionPolicy AllSigned` or `Set-ExecutionPolicy Bypass -Scope Process`.

Now run the following command:

```
> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; ie
```



3. Paste the copied text into your shell and press Enter.

4. Wait a few seconds for the command to complete.

5. If you don't see any errors, you are ready to use Chocolatey! Type `choco` or `choco -?` now, or see [Getting Started](#) for usage instructions.

The screenshot shows three stacked windows, each a PowerShell session running as Administrator.

**Top Window:**

```
PS C:\WINDOWS\system32> Get-ExecutionPolicy
Restricted
PS C:\WINDOWS\system32> Set-ExecutionPolicy AllSigned

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution
you to the security risks described in the about_Execution_Policies help topic at
https://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): A
PS C:\WINDOWS\system32>
```

**Middle Window:**

```
PS C:\WINDOWS\system32> Get-ExecutionPolicy
Restricted

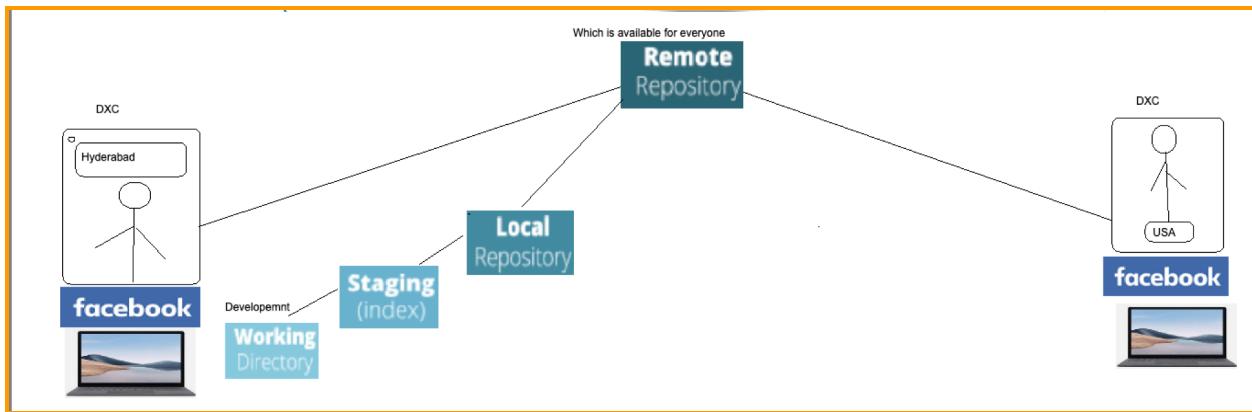
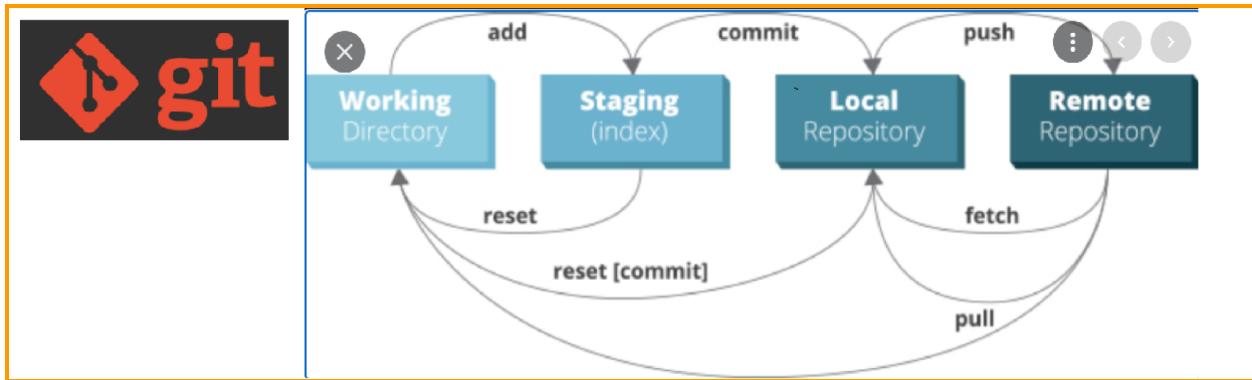
Expand-Archive
The archive file 'C:\Users\dell\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip' expansion is in pr
..
[ooooooooooooooooooooooooooooooo

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): A
PS C:\WINDOWS\system32> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::Secur
oocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).Downl
ng('https://community.chocolatey.org/install.ps1'))
Forcing web requests to allow TLS v1.2 (Required for requests to Chocolatey.org)
Getting latest version of the Chocolatey package for download.
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/1.2.1.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/1.2.1 to C:\Users\dell\AppData\Local\Temp\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\dell\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\dell\AppData\Local\chocolatey\chocoInstall
```

**Bottom Window:**

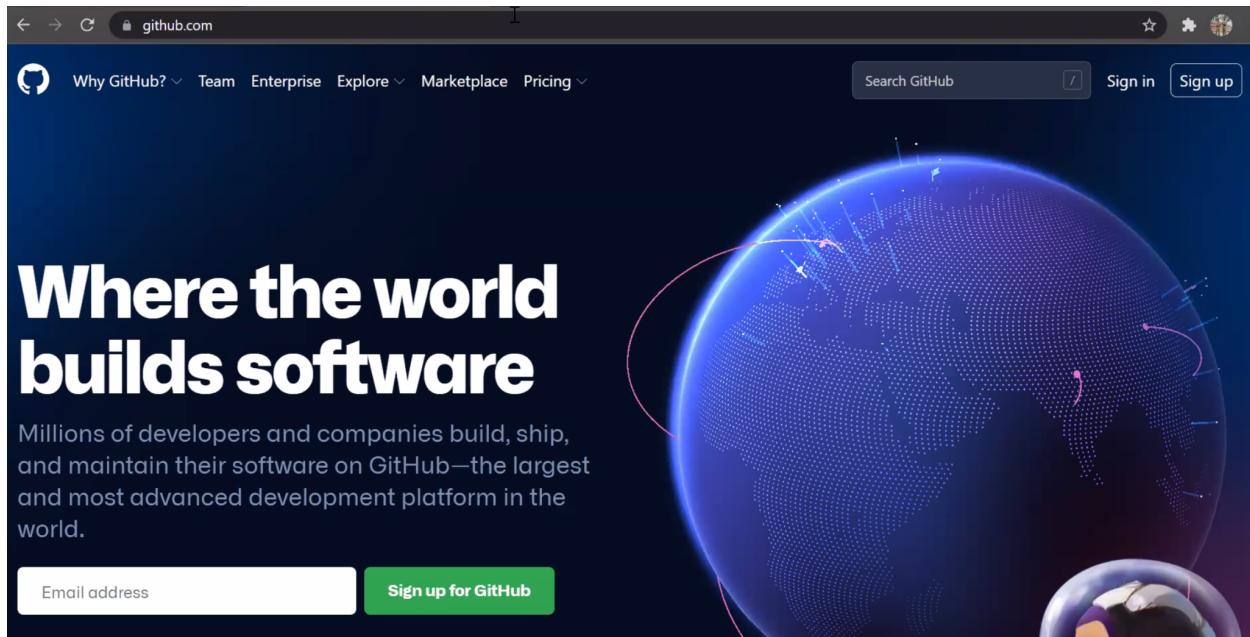
```
PS C:\WINDOWS\system32> choco -v
1.2.1
PS C:\WINDOWS\system32>
```

Git installation :



<https://www.gentelli.com/thought-leadership/insights/devops-tools>

<https://www.freecodecamp.org/news/git-cheat-sheet/>



github.com/signup?ref\_cta=Sign+up&ref\_loc=header+logged+out&ref\_page=%2F&source=header-home

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

Welcome to GitHub!  
Let's begin the adventure

**Enter your email**  
✓ Satyajeet0606@gmail.com

**Create a password**  
→ .....| [Change](#) [Continue](#)

**Password may be compromised**  
Password is in a list of passwords commonly used on other websites

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

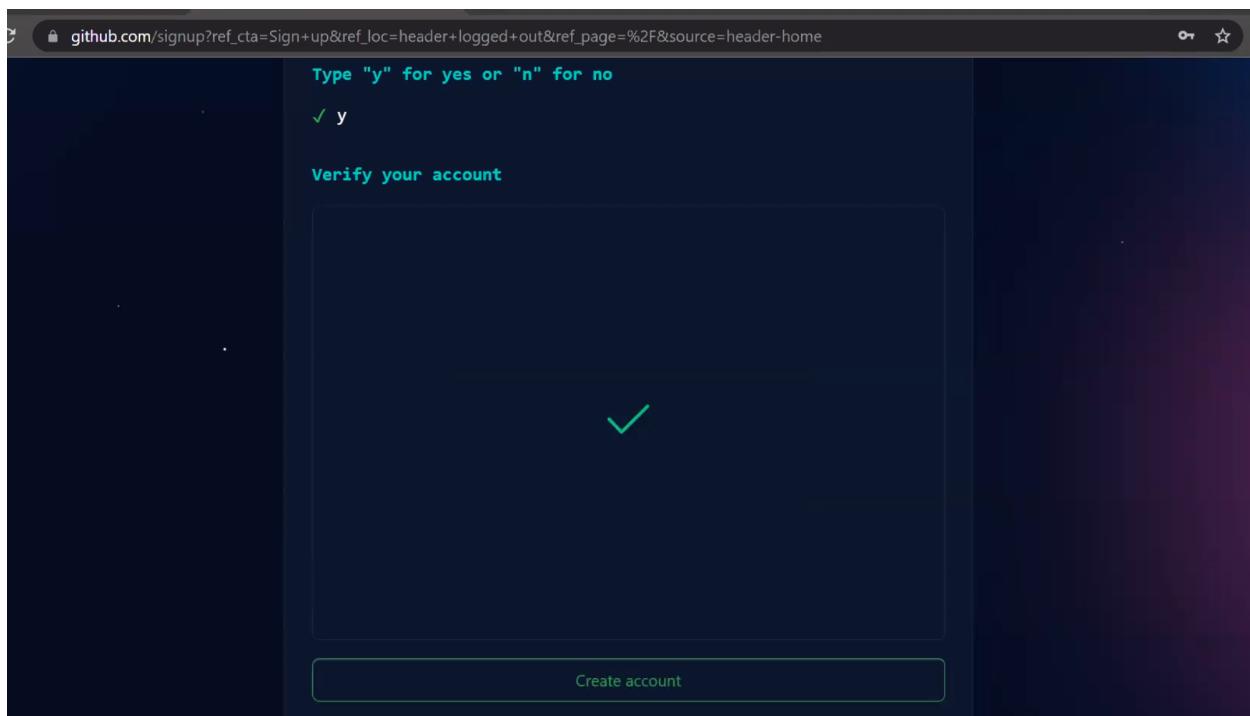
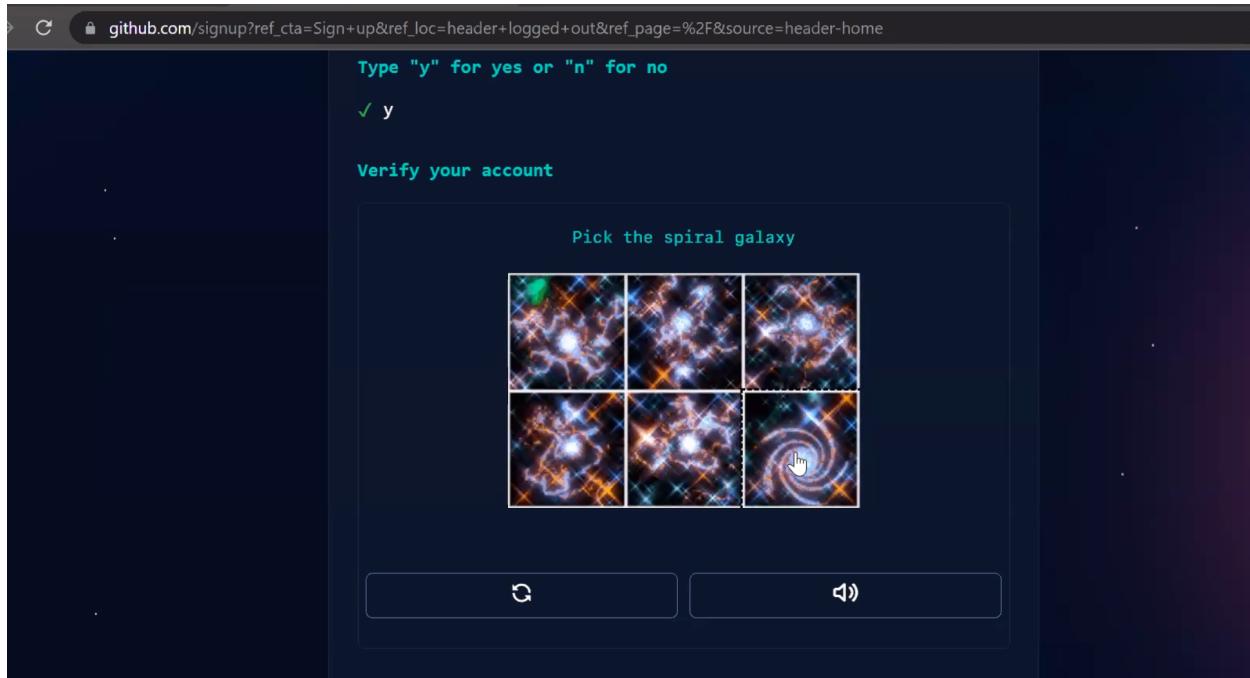
✓ satyajeet0606

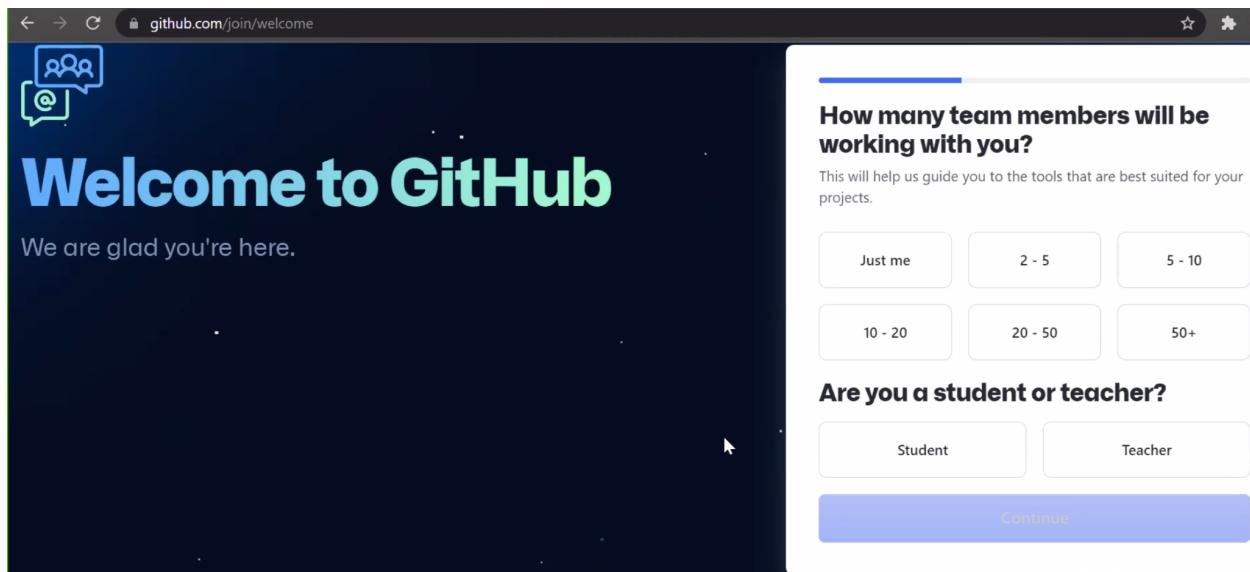
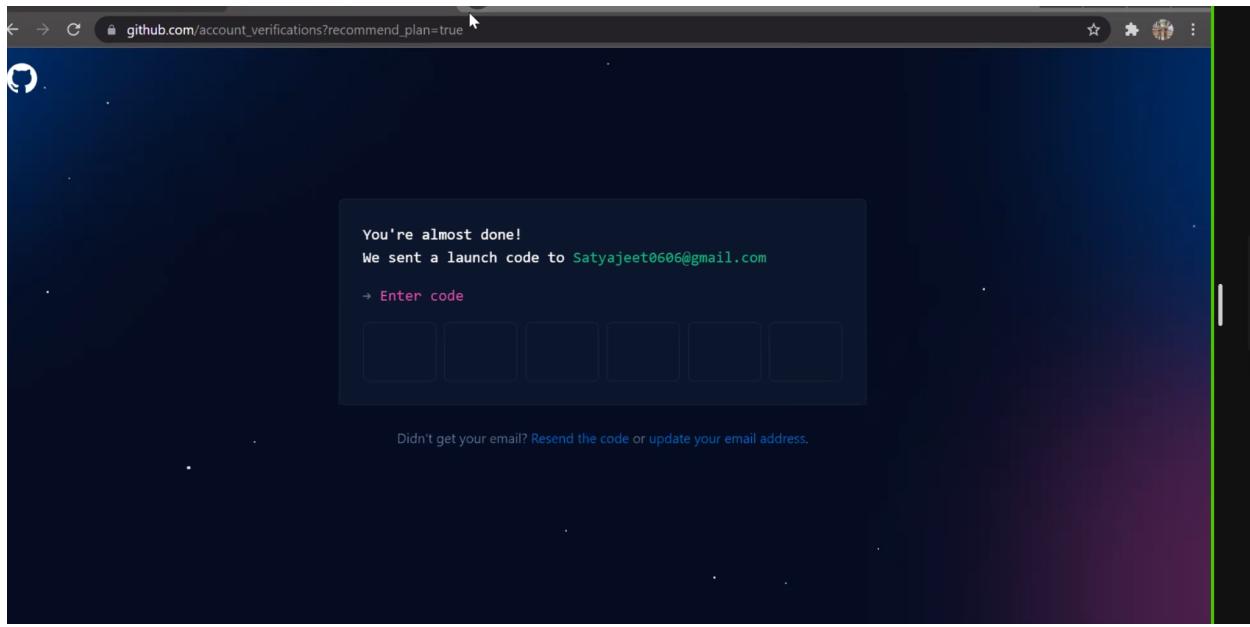
Would you like to receive product updates and announcements via email?  
Type "y" for yes or "n" for no  
✓ y

**Verify your account**

Please solve this puzzle to verify that you are human  
Click "Start puzzle" to continue

[Start puzzle](#)





GitHub gives students free access to the best developer tools so they can learn by doing.

**Free**

- ① Unlimited public/private repositories
- ① 2,000 Actions minutes/month  
Free for public repositories
- ① 500MB of Packages storage  
Free for public repositories
- ① Community support

**Get additional student benefits**

**GitHub Pro**

- Protect your branches  
Ensure that collaborators on your repository cannot make irreversible changes.
- ① Draft pull requests
- ① Pages and Wikis
- ① 3,000 CI/CD minutes/month  
Free for public repositories
- ① 2GB of Packages storage  
Free for public repositories
- ① Web-based support

**GitHub Student Developer Pack**

The screenshot shows the GitHub homepage with a prominent banner for the "GitHub Student Developer Pack". The banner highlights "Get additional student benefits" with features like "Protect your branches", "Draft pull requests", and "Web-based support". Below the banner, there's a "GitHub Student Developer Pack" section. The main content area includes sections for "Create your first project", "Recent activity", and "Introduce yourself". A modal window titled "Learn Git and GitHub without any code!" provides a guide to getting started with GitHub. On the right side, there's a "Universe schedule" overlay with information about virtual events on Oct 27 and 28.

**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](#)

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

```
satyajeet0606 / README.md
```

1 - 🌟 Hi, I'm @satyajeet0606  
2 - 🌐 I'm interested in ...  
3 - 🚧 I'm currently learning ...  
4 - 💬 I'm looking to collaborate on ...  
5 - 📩 How to reach me ...  
6

**Universe schedule** is now live  
Join us virtually on Oct. 27 and 28 (PDT). Check out sessions across Security, DevOps, Developer Productivity, and Communities. Register to start building your customized Universe schedule.  
[Save your seat for free](#)

The screenshot shows the first two steps of the GitHub account creation process. Step 1, 'Create your account', has been completed successfully, indicated by green checkmarks next to the filled-in fields for Username, Email address, and Password. Step 2, 'Email preferences', is currently being worked on, as shown by the progress bar at the bottom of the step area.

## Join GitHub

# Create your account

Username \*

Avishek0077 ✓

Email address \*

lonlygodofmisfortune@gmail.com ✓

Password \*

\*\*\*\*\* ✓

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter.  
[Learn more.](#)

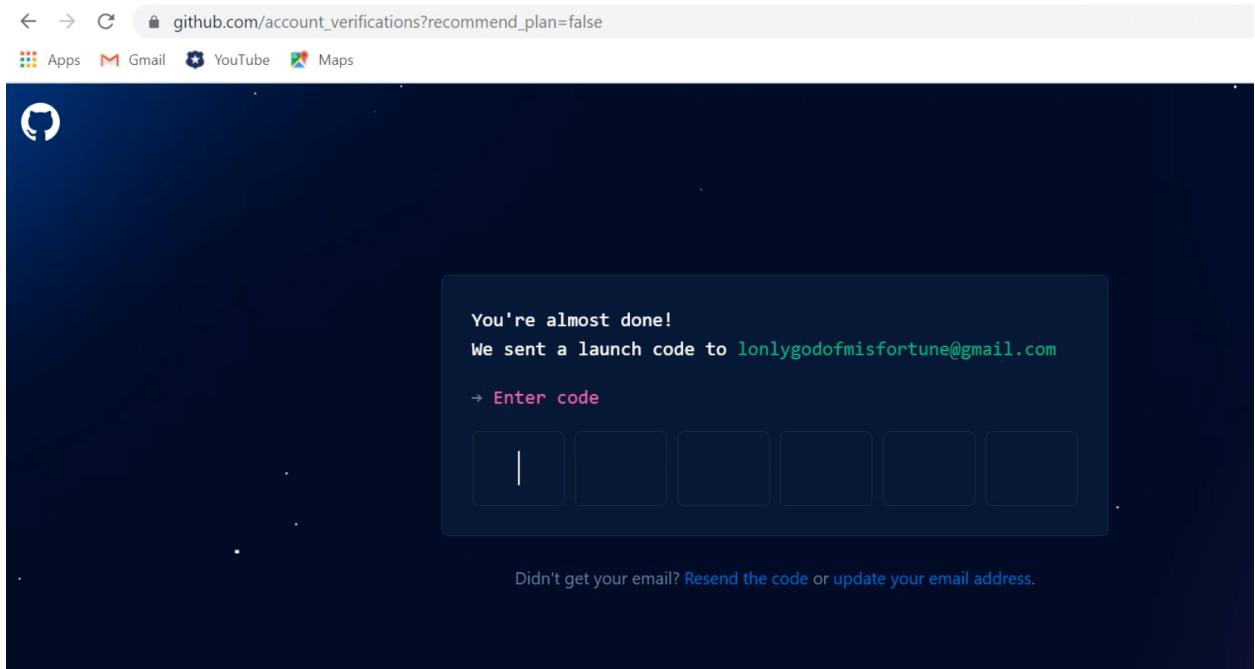
### Email preferences

Send me occasional product updates, announcements, and offers.

### Verify your account

2 done

Create account



A screenshot of a GitHub repository page for the repository `issuesaws / dxcsession`, which is public. The repository has 1 branch and 0 tags. The main navigation tabs are Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The Code tab is selected. On the right side, there is a "Code" dropdown menu with options: Clone (HTTPS, SSH, GitHub CLI), a copy link button, a note to use Git or SVN, Open with GitHub Desktop, and a Download ZIP button. To the right of the repository details, there are sections for About (with a note "This is my first git repo"), Releases (no releases, Create a new), and Packages (no packages, Publish your). The repository description is "dxcsession" and the README.md file contains the text "This is my first git repo".

And now create a new repository in remote repo and clone it into local

The screenshot shows the GitHub 'Create a new repository' interface. At the top, there's a navigation bar with links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the navigation, the main form starts with 'Create a new repository' and a note that a repository contains all project files, including the revision history. There's a link to 'Import a repository'.

The 'Owner' dropdown is set to 'issuesaws' and the 'Repository name' field contains 'mygitpractice'. A note says 'Great repository names are short and memorable. Need inspiration? How about [sturdy-octo-lamp](#)?'

The 'Description (optional)' field contains 'This is the first time git practice'.

The 'Visibility' section shows 'Public' (selected) and 'Private' (radio button unselected). A note says 'Anyone on the internet can see this repository. You choose who can commit.'

The 'Initialize this repository with:' section has 'Add a README file' checked (radio button selected), with a note 'This is where you can write a long description for your project. [Learn more](#)'. There's also an 'Add .gitignore' section with a note 'Choose which files not to track from a list of templates. [Learn more](#)' and a dropdown menu set to 'None'.

The second part of the screenshot shows the continuation of the repository creation process. It includes sections for 'Public' vs 'Private' visibility (with 'Public' selected), 'Initialize this repository with:' (with 'Add a README file' checked), 'Add .gitignore' (with a note about choosing files to ignore and a 'None' dropdown), 'Choose a license' (with a note about what others can do with the code and a 'None' dropdown), and a note about setting the default branch to 'main'. At the bottom, there's a note about creating a public repository in a personal account and a large green 'Create repository' button.

Click on **Create repository**

A screenshot of a GitHub repository page for 'issuesaws / mygitpractice'. The repository is public and contains one commit. The README file contains the text: 'This is the first time git practice'.

The page includes standard GitHub navigation links like Pull requests, Issues, Marketplace, and Explore. On the right, there are sections for About, Releases, Packages, and a footer with links to Terms, Privacy, Security, Status, and Contact GitHub.

Click on **Code** drop down and select **URL** and clone into local

The same GitHub repository page as above, but with the 'Code' dropdown menu open. The 'Clone' section shows the URL 'https://github.com/issuesaws/mygitpractice' and other options like SSH and GitHub CLI.

Look at below image

 MINGW64:/c/Users/Chukky/Downloads/mygitpractice

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~
$ cd Downloads/

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads
$ git clone https://github.com/issuesaws/mygitpractice.git
Cloning into 'mygitpractice'...
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 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads
$ cd mygitpractice/

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ ls
README.md

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$
```

Now create 3 files, make some changes and push into the remote repository.

```
echo "This is my practice file 1" > 1.txt  
echo "This is my practice file 2" > 2.txt  
echo "This is my practice file 3" > 3.txt
```

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)  
$ git status  
On branch main  
Your branch is up to date with 'origin/main'.  
  
nothing to commit, working tree clean  
  
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)  
$ echo "This is a sample text" > 1.txt  
  
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)  
$ ls  
1.txt README.md  
  
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)  
$ echo "This is a sample text in file 2" > 2.txt  
  
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)  
$ echo "This is a sample text in file 3" > 3.txt  
  
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)  
$ ls  
1.txt 2.txt 3.txt README.md  
  
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)  
$ |
```

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git add .
warning: in the working copy of '1.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '2.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '3.txt', LF will be replaced by CRLF the next time Git touches it

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:  1.txt
    new file:  2.txt
    new file:  3.txt

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
```

## You need to configure your credentials in your local

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git commit -m"Added changes"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Narsimha reddy@DESKTOP-HDR80M5.(none)')

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ |
```

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git config --global user.email "issuesaws@gmail.com"

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git config --global user.name "issuesaws"

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ |
```

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   1.txt
    new file:   2.txt
    new file:   3.txt

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git commit -m"Added changes"
[main 1ae145c] Added changes
 3 files changed, 3 insertions(+)
 create mode 100644 1.txt
 create mode 100644 2.txt
 create mode 100644 3.txt

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$
```

**Now if you try to push your changes into remote repository from local it will ask you to sign in from browser like below**

```
Changes to be committed:
  Connect to GitHub X
```

**GitHub**  
Sign in

Browser/Device Token

[Sign in with your browser](#)

[Sign in with a code](#)

Don't have an account? [Sign Up](#)

```
reddy@DESKTOP-HDR80M5:~/Downloads/mygitpractice (main)
actice (main)
actice (main)
```

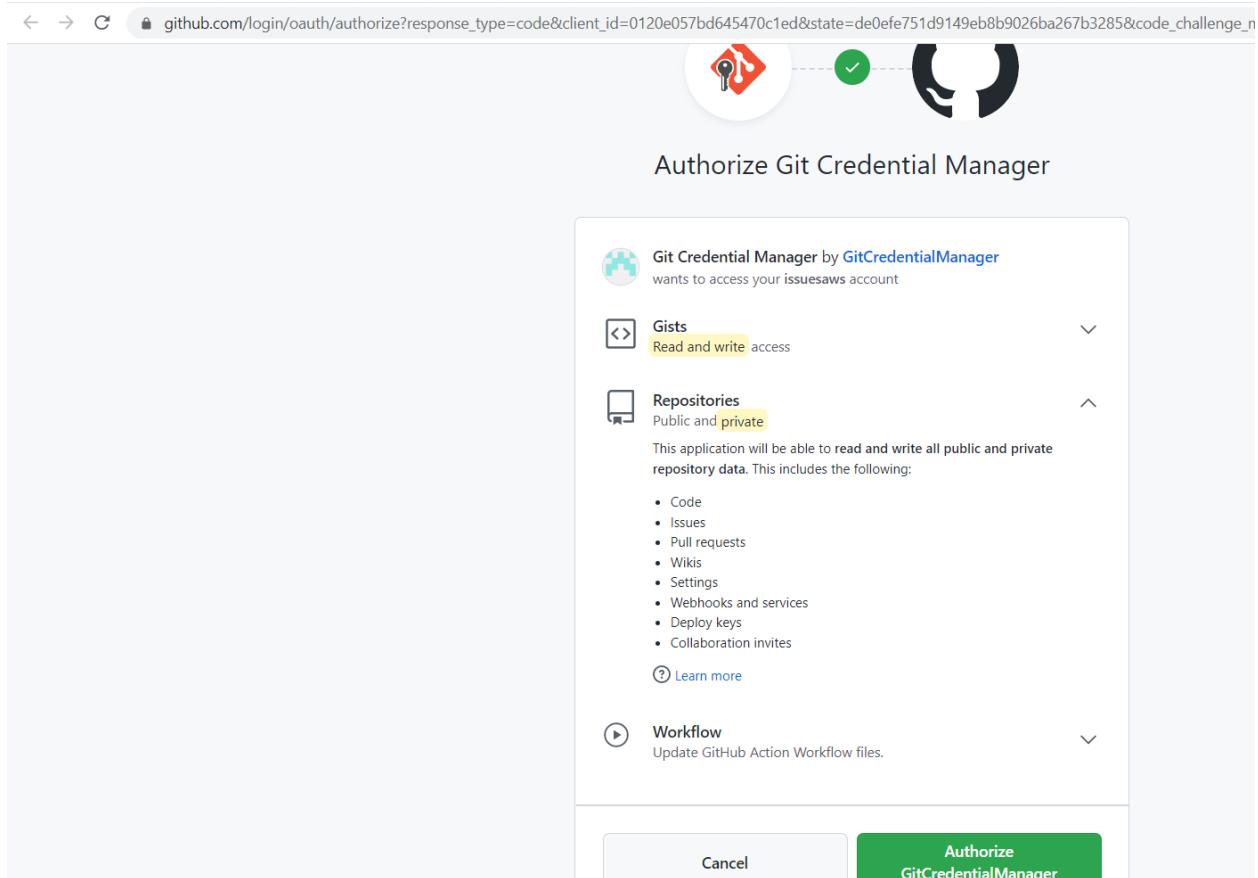
```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
(use "git restore --staged <file>..." to unstage)
  new file: 1.txt
  new file: 2.txt
  new file: 3.txt
```

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git commit -m"Added changes"
[main lae145c] Added changes
 3 files changed, 3 insertions(+)
  create mode 100644 1.txt
  create mode 100644 2.txt
  create mode 100644 3.txt
```

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git push
```

If you click on sign in



If you click on Authorize GitCredentialManager you will see below window  
But your changes in local will push to remote repo

← → ⌛ ① localhost:56733/?code=43a3024cd49b28ecf2ad&state=de0efe751d9149eb8b9026ba267b3285



## This site can't be reached

**localhost** refused to connect.

Try:

- Checking the connection
- Checking the proxy and the firewall

ERR\_CONNECTION\_REFUSED

[Reload](#)

**See below image**

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git commit -m"Added changes"
[main 1ae145c] Added changes
 3 files changed, 3 insertions(+)
  create mode 100644 1.txt
  create mode 100644 2.txt
  create mode 100644 3.txt

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (5/5), 420 bytes | 420.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/issuesaws/mygitpractice.git
  65b3fb8..1ae145c main -> main

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ |
```

```
Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (5/5), 420 bytes | 420.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/issuesaws/mygitpractice.git
  65b3fb8..1ae145c  main -> main

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Narsimha reddy@DESKTOP-HDR80M5 MINGW64 ~/Downloads/mygitpractice (main)
$
```

**Earlier before pushing code into remote repo if you observe your remote repo its empty,  
But after pushing all files were uploaded**

#### Earlier repo:

The screenshot shows a GitHub repository page for 'issuesaws / mygitpractice'. The repository is public and contains one branch ('main') and one commit ('Initial commit' by 'issuesaws'). The README.md file contains the text 'mygitpractice' and 'This is the first time git practice'.

File	Content	Commit
README.md	mygitpractice This is the first time git practice	Initial commit 65b3fb8 36 minutes ago

**After refreshing the page you will see all the files**

The screenshot shows a GitHub repository page for 'issuesaws / mygitpractice'. The repository is public. The 'Code' tab is selected, showing the main branch with three commits:

- issuesaws Added changes (1ae145c, 10 minutes ago)
- 1.txt Added changes (10 minutes ago)
- 2.txt Added changes (10 minutes ago)
- 3.txt Added changes (10 minutes ago)
- README.md Initial commit (39 minutes ago)

The README file contains the following content:

```
mygitpractice
This is the first time git practice
```

On the right side, there are sections for 'About', 'Readme', 'Stars', 'Watchers', 'Forks', 'Releases', and 'Packages'.

## Docker Installation

<https://docker-curriculum.com/>

<https://docker-curriculum.com/>

<https://towardsdatascience.com/docker-for-absolute-beginners-what-is-docker-and-how-to-use-it-examples-3d3b11efd830>

<https://docker-curriculum.com/>

<https://www.educative.io/courses/ansible-zero-to-production-ready>

<https://docs.docker.com/engine/install/>

<https://docs.docker.com/engine/install/ubuntu/>

To install the latest version of Docker on Linux from the “test” channel, run:

```
$ curl -fsSL https://test.docker.com -o test-docker.sh  
$ sudo sh test-docker.sh  
<...>
```

To create the `docker` group and add your user:

1. Create the `docker` group.

```
$ sudo groupadd docker
```

2. Add your user to the `docker` group.

```
$ sudo usermod -aG docker $USER
```

```
sudo -i  
apt-get update  
curl -fsSL https://get.docker.com -o get-docker.sh  
sh get-docker.sh  
sudo usermod -aG docker ubuntu  
docker --version  
docker info
```

---