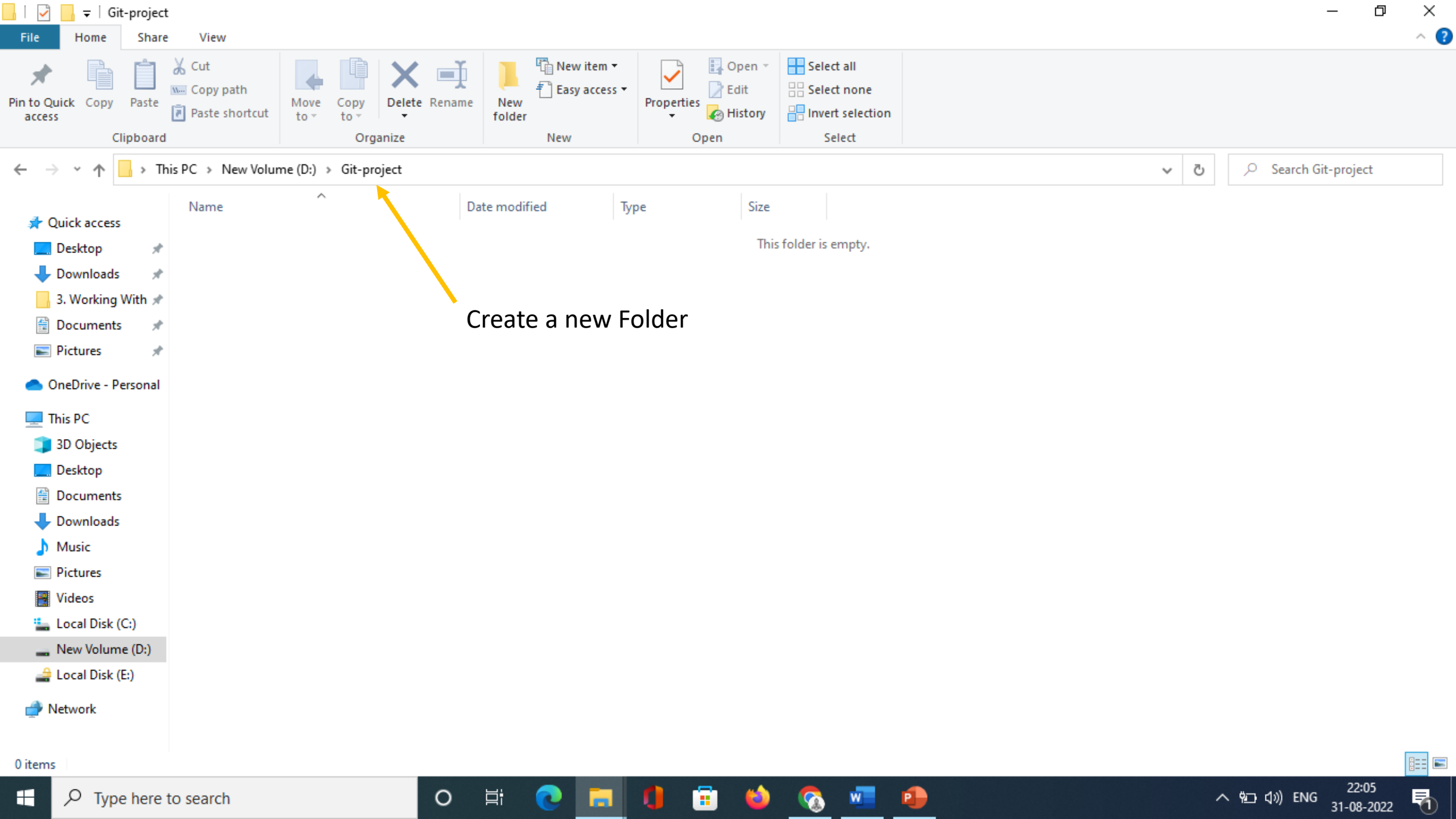
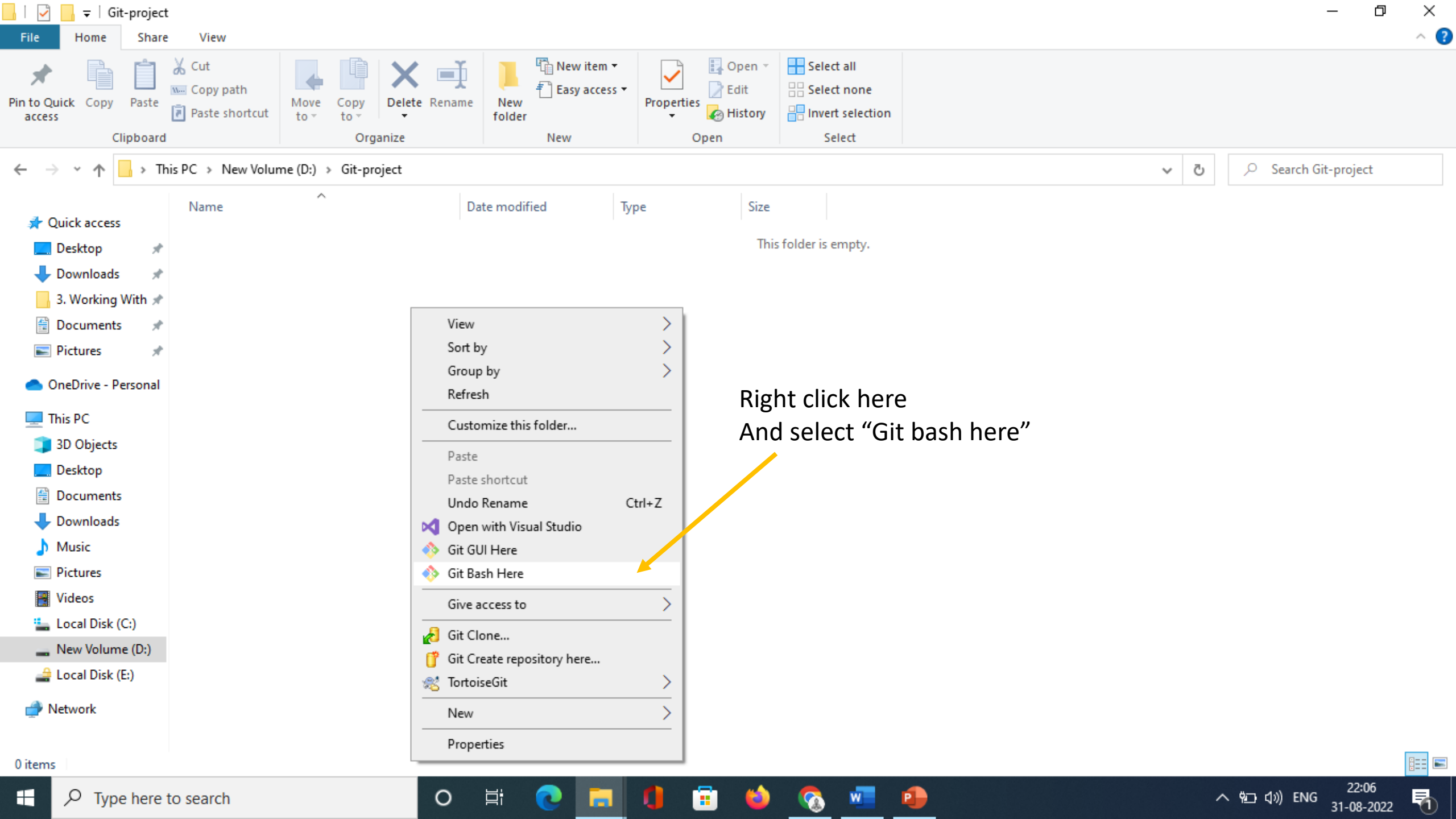


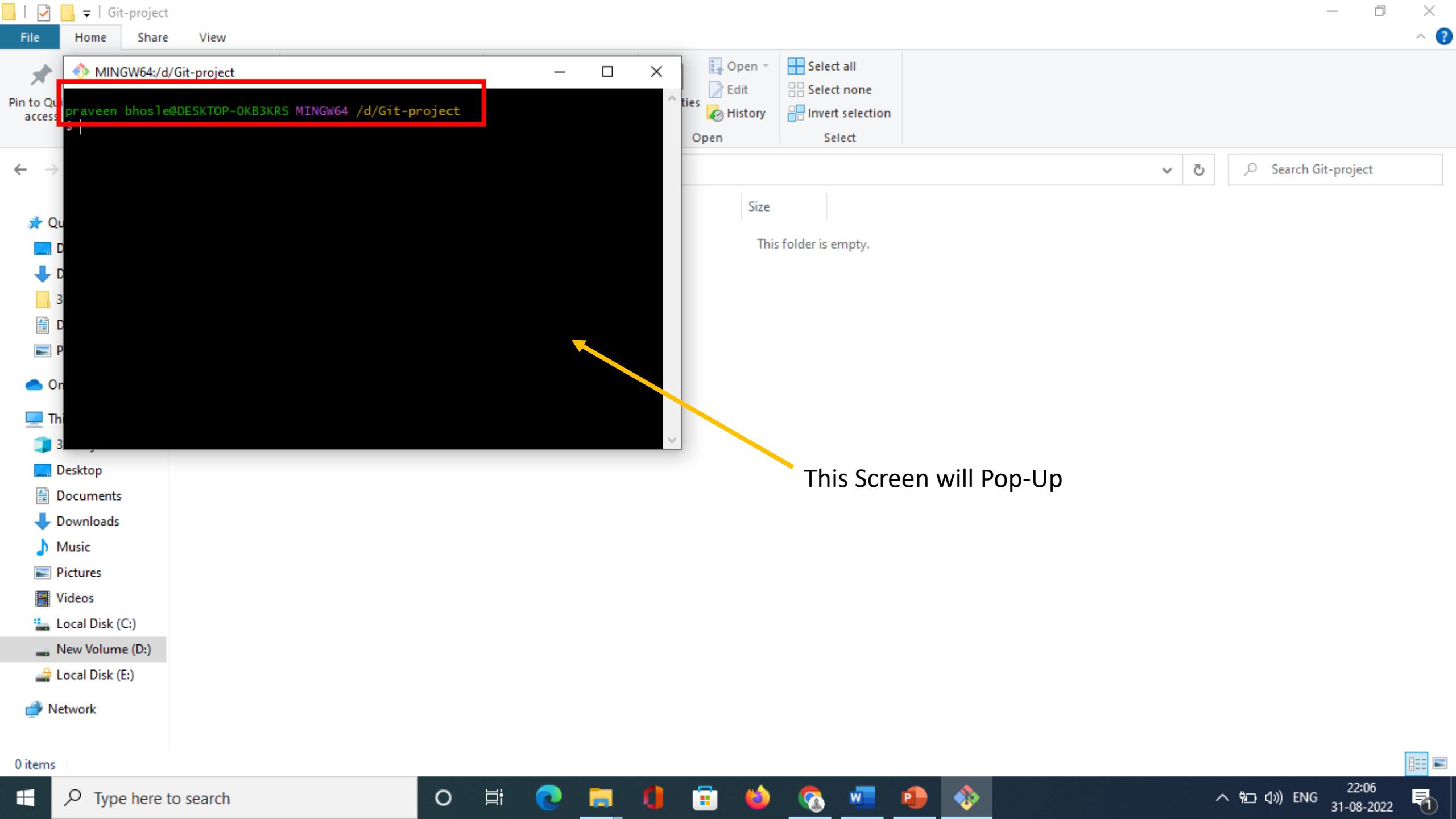
Working With Git –Your First Push

Topic : Creating local repository + Basic commands : add, status, commit and push



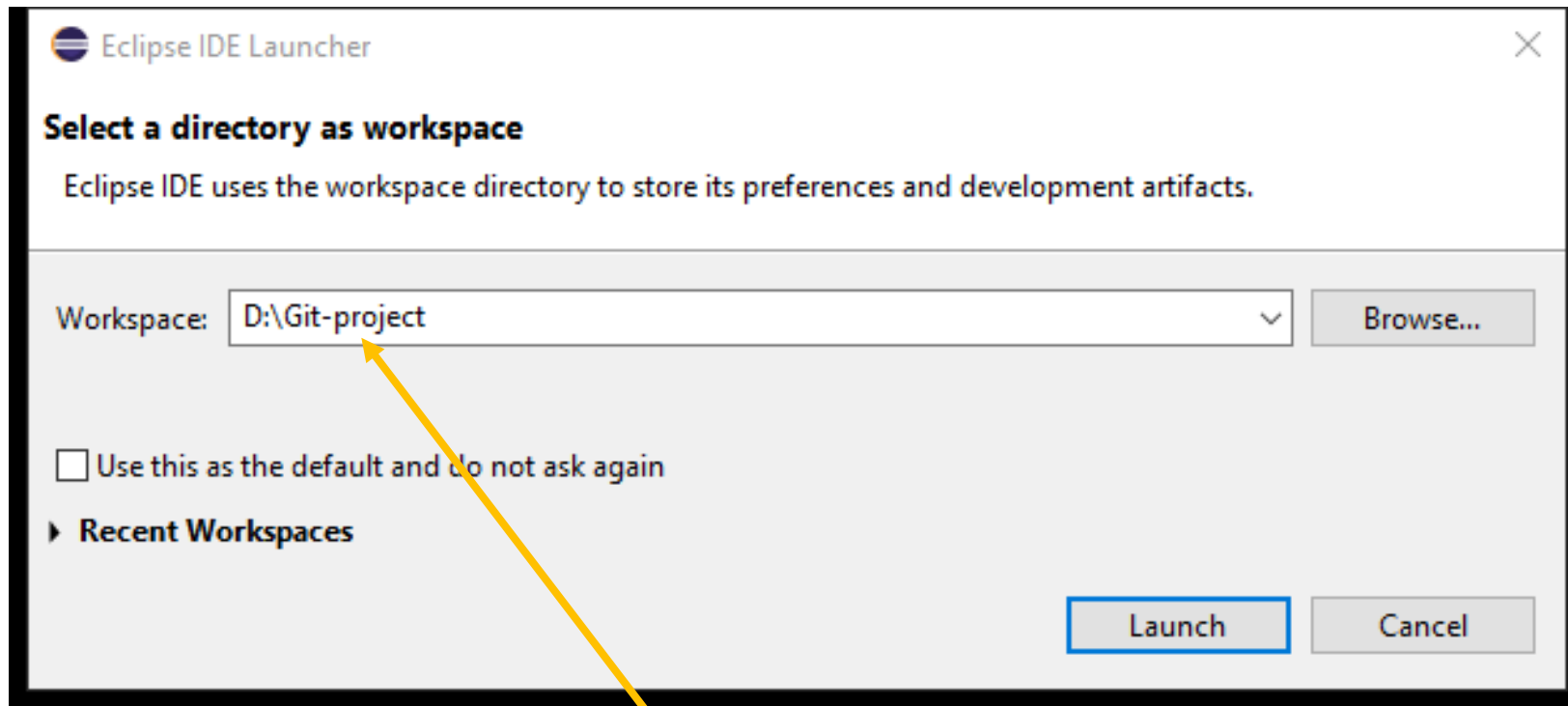


Right click here
And select "Git bash here"

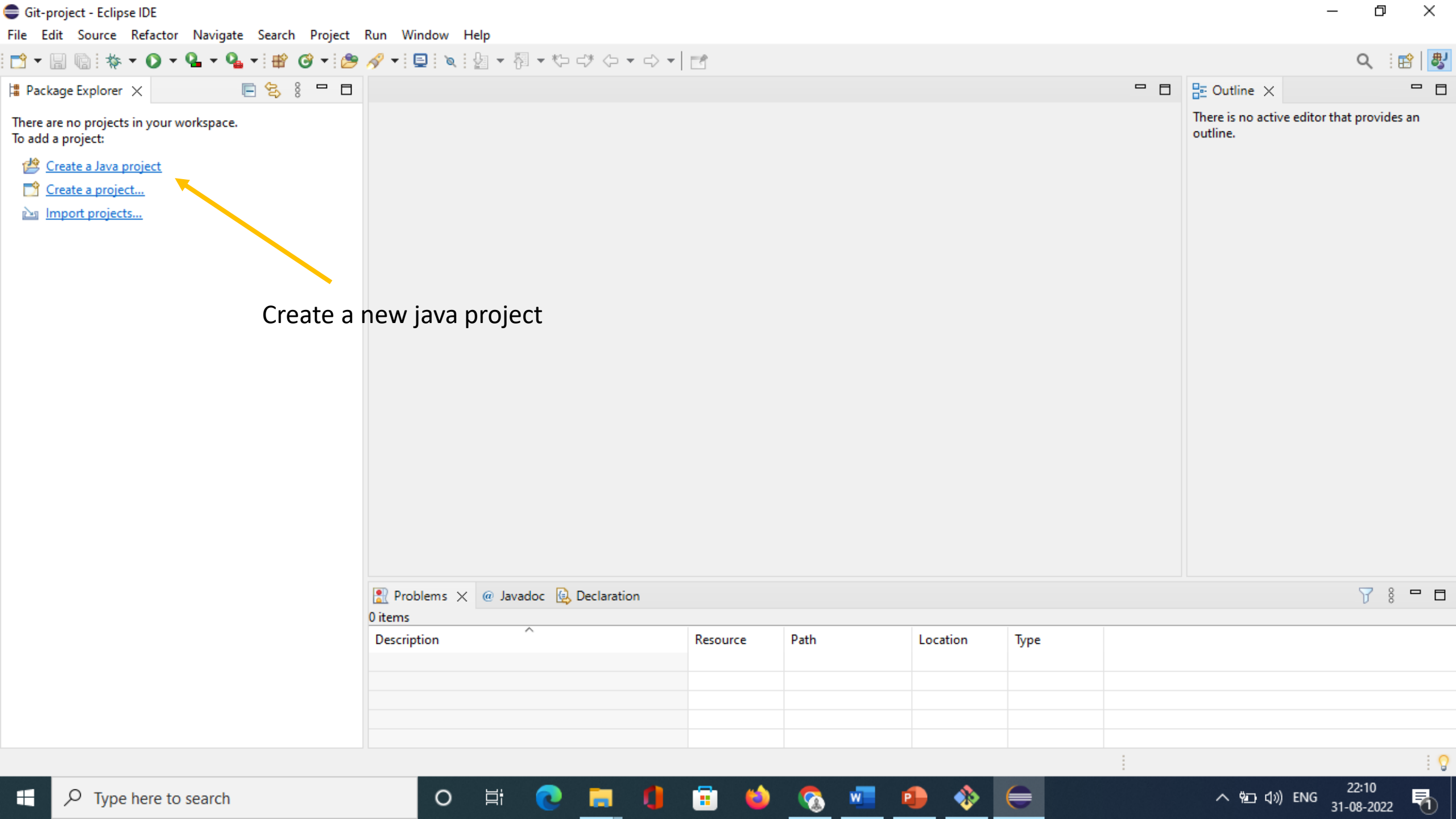


```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project
$ git init
Initialized empty Git repository in D:/Git-project/.git/
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$
```

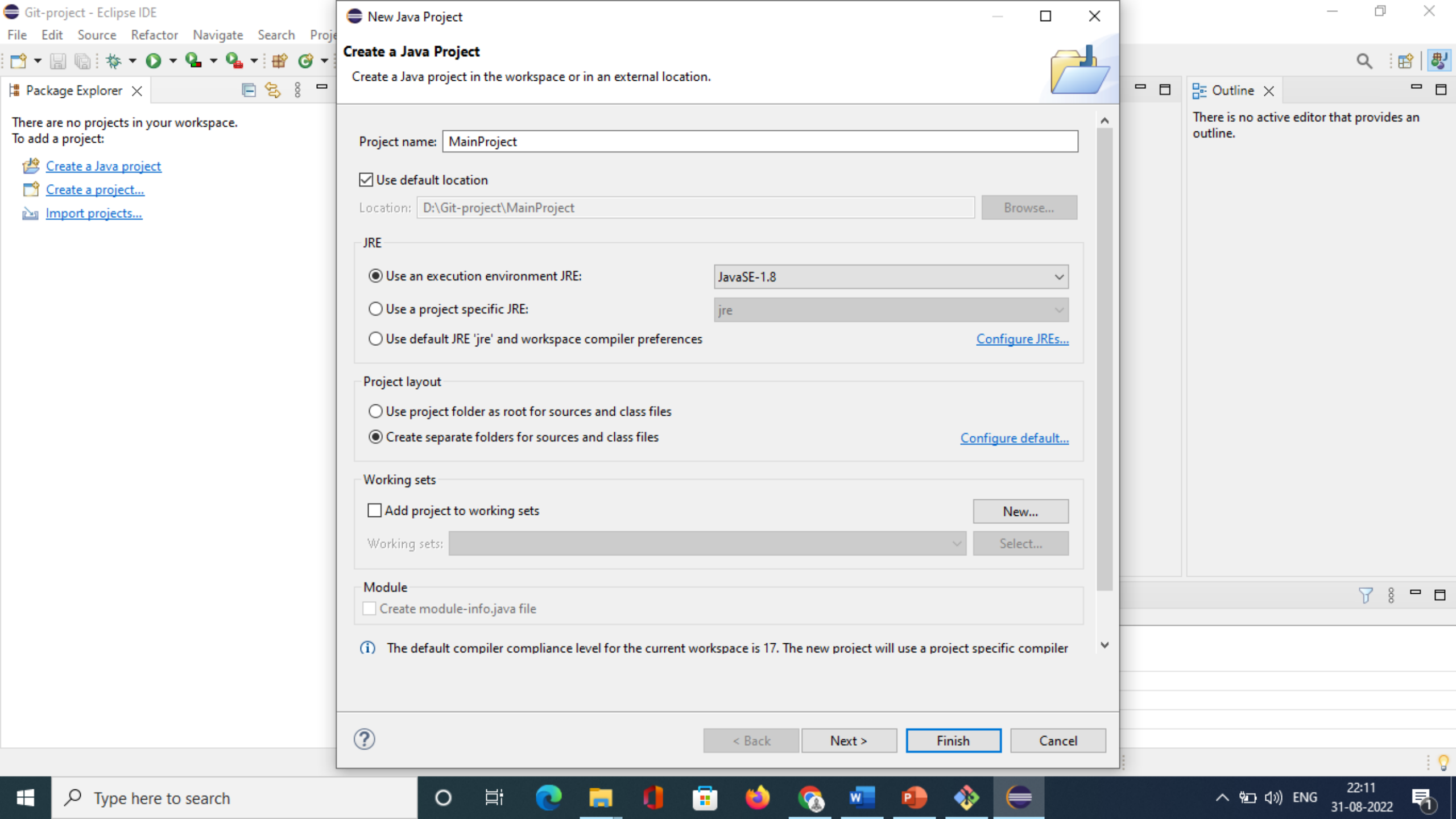
Type the command : git init



Now Open the Eclipse with created folder as working space



Create a new java project



Git-project - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

MainProject [Git-project master]

JRE System Library [JavaSE-1.8]

src

New Java Package

Java Package

Create a new Java package.

Creates folders corresponding to packages.

Source folder:

MainProject/src

Browse...

Name:

com.velocity.collections

☐ Create package-info.java

☐ Generate comments (configure templates and default value [here](#))

?

Finish

Cancel

Outline

There is no active editor that provides an outline.

Problems

0 items

Description	Resource	Path	Location	Type

src - MainProject

Type here to search

22:11

31-08-2022

Git-project - MainProject/src/com/velocity/collections/ArrayListDemo1.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- MainProject [Git-project master]
 - JRE System Library [JavaSE-1.8]
 - src
 - com.velocity.collections
 - ArrayListDemo1.java
 - LinkedListDemo2.java

We have created two files in this project

ArrayListDemo1.java

```
1 package com.velocity.collections;
2
3 import java.util.ArrayList;
4 import java.util.Iterator;
5
6 public class ArrayListDemo1 {
7
8     public static void main(String[] args) {
9
10         // Creating list of names
11         ArrayList<String> nameList = new ArrayList<String>();
12         nameList.add("Pawan");
13         nameList.add("Rahul");
14         nameList.add("vishnu");
15         nameList.add("omkar");
16
17         // using iterator
18         Iterator<String> itr = nameList.iterator();
19         while (itr.hasNext()) {
20             System.out.println(itr.next());
21         }
22
23         // using for-each loop
24         for (String name : nameList) {
25             System.out.println(name);
26         }
27
28     }
29
30 }
31
```

LinkedListDemo2.java

Problems Javadoc Declaration Console

<terminated> LinkedListDemo2 [Java Application] C:\Users\praveen.bhosle\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (31-2)



Package Explorer

▼ MainProject [Git-project master]
 > JRE System Library [JavaSE-1.8]
 ▼ src
 > com.velocity.collections
 > ArrayListDemo1.java
 > LinkedListDemo2.java

ArrayListDemo1.java LinkedListDemo2.java

```
1 package com.velocity.collections;
2
3 import java.util.Iterator;
4 import java.util.LinkedList;
5
6 public class LinkedListDemo2 {
7
8     public static void main(String[] args) {
9         LinkedList<Integer> primeNumberList = new LinkedList<Integer>();
10        primeNumberList.add(2);
11        primeNumberList.add(3);
12        primeNumberList.add(5);
13        primeNumberList.add(7);
14
15        // using iterator
16        Iterator<Integer> itr = primeNumberList.iterator();
17        while (itr.hasNext()) {
18            System.out.println(itr.next());
19        }
20
21        // using for-each loop
22        for (Integer num : primeNumberList) {
23            System.out.println(num);
24        }
25
26    }
27
28 }
29
```

Problems @ Javadoc Declaration Console

<terminated> LinkedListDemo2 [Java Application] C:\Users\praveen.bhosle\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (31-

2

3

Writable

Smart Insert

23 : 35 : 590

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project
$ git init
Initialized empty Git repository in D:/Git-project/.git/
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ git status
On branch master
```

```
No commits yet
```

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

```
.gitignore
MainProject/
```

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

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ |
```

Use the git status command to check the list of untracked files

Here it shows two files as untracked , lets add these files to staging area.

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project
$ git init
Initialized empty Git repository in D:/Git-project/.git/

praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        MainProject/

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

praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'MainProject/.gitignore', LF will be replaced by CRLF the next time Git touches it

praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ |
```

Git add . Has added all untracked files to staging area

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project
$ git init
Initialized empty Git repository in D:/Git-project/.git/

praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        MainProject/

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

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'MainProject/.gitignore', LF will be replaced by CRLF the next time Git touches it
```

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
$ git status
On branch master

No commits yet
```

```
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   .gitignore
        new file:   MainProject/.classpath
        new file:   MainProject/.gitignore
        new file:   MainProject/.project
        new file:   MainProject/.settings/org.eclipse.core.resources.prefs
        new file:   MainProject/.settings/org.eclipse.jdt.core.prefs
        new file:   MainProject/src/com/velocity/collections/ArrayListDemo1.java
        new file:   MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

Note : Some unwanted files are also added to staging area
Like : .classpath, .project and .setting files.
We are not supposed to commit these unwanted files.
Hence we have to remove them from staging area.

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
$ |
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git status
```

```
On branch master
```

```
No commits yet
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
```

```
new file:   .gitignore
new file:   MainProject/.classpath
new file:   MainProject/.gitignore
new file:   MainProject/.project
new file:   MainProject/.settings/org.eclipse.core.resources.prefs
new file:   MainProject/.settings/org.eclipse.jdt.core.prefs
new file:   MainProject/src/com/velocity/collections/ArrayListDemo1.java
new file:   MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

Perform these commands on all
the unwanted files

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git rm --cached MainProject/.classpath
```

```
rm 'MainProject/.classpath'
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git rm --cached MainProject/.gitignore
```

```
rm 'MainProject/.gitignore'
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git rm --cached MainProject/.settings/org.eclipse.core.resources.prefs
```

```
rm 'MainProject/.settings/org.eclipse.core.resources.prefs'
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git rm --cached MainProject/.settings/org.eclipse.jdt.core.prefs
```

```
rm 'MainProject/.settings/org.eclipse.jdt.core.prefs'
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git rm --cached MainProject/.project
```

```
rm 'MainProject/.project'
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ |
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git status
```

```
On branch master
```

```
No commits yet
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
```

```
new file:   .gitignore
```

```
new file:   MainProject/src/com/velocity/collections/ArrayListDemo1.java
```

```
new file:   MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
MainProject/.classpath
```

```
MainProject/.gitignore
```

```
MainProject/.project
```

```
MainProject/.settings/
```

All unwanted files are now removed from staging area ,
but we should ignore them from untracked files.

Add these files to gitignore file.

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git status
```

```
On branch master
```

```
No commits yet
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
```

```
new file:   .gitignore
```

```
new file:   MainProject/src/com/velocity/collections/ArrayListDemo1.java
```

```
new file:   MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

```
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:   .gitignore
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
MainProject/.gitignore
```

Once Done all unwanted files will be ignored by git.

Add left over files

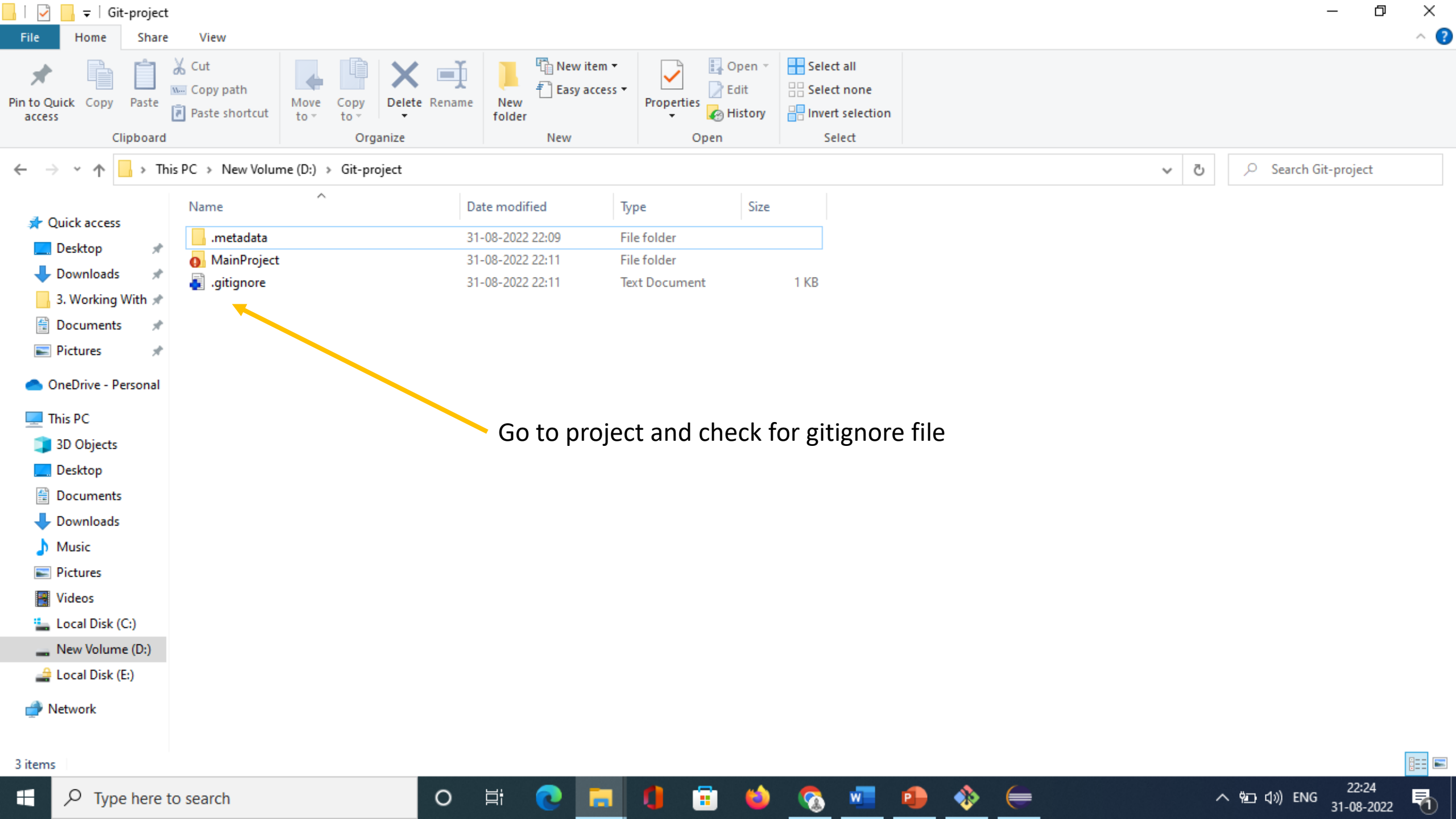
```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$ git add .gitignore
```

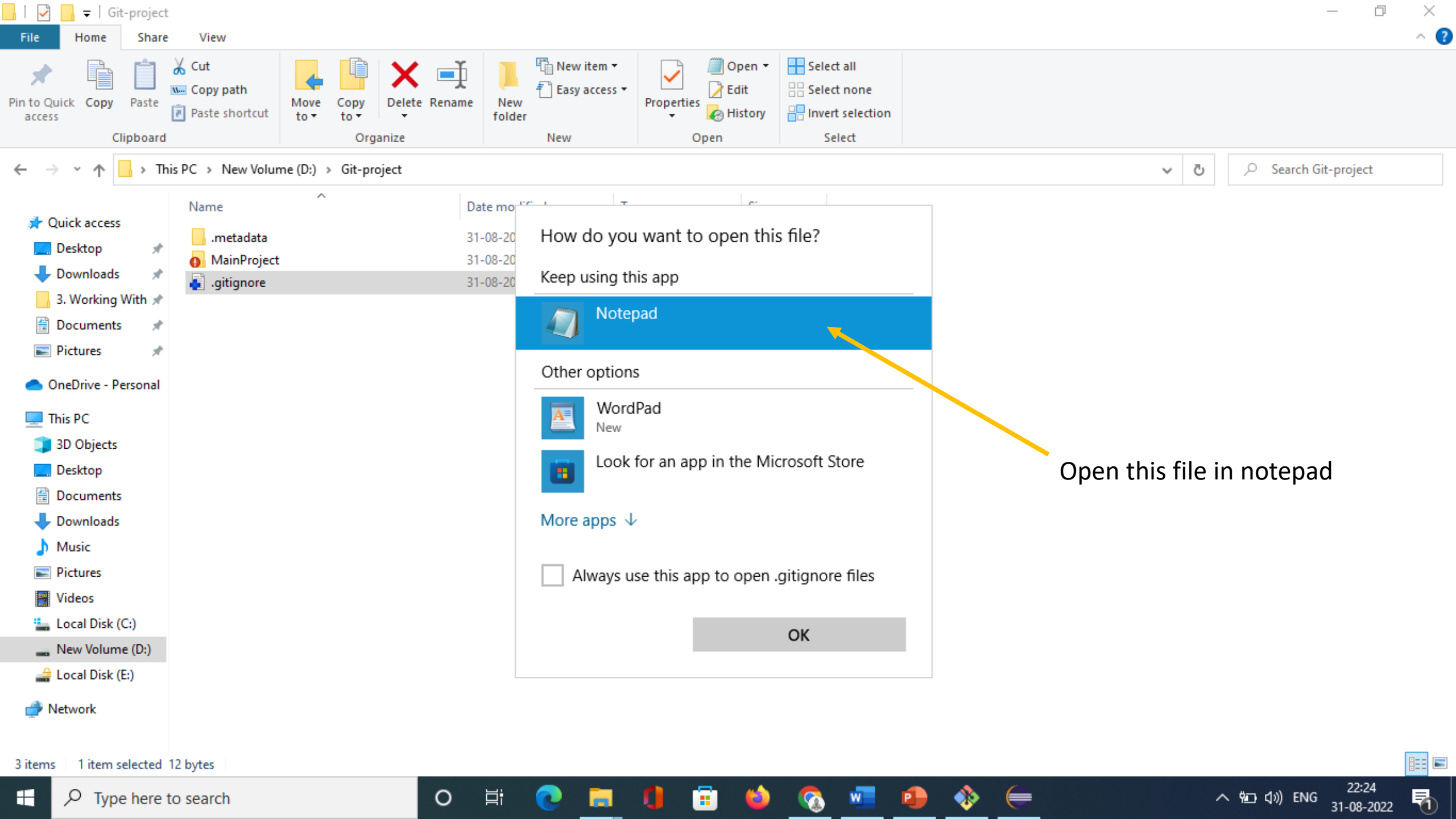
```
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
```

```
$
```

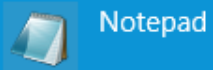



Go to project and check for gitignore file



How do you want to open this file?

Keep using this app



Notepad

Other options



WordPad

New



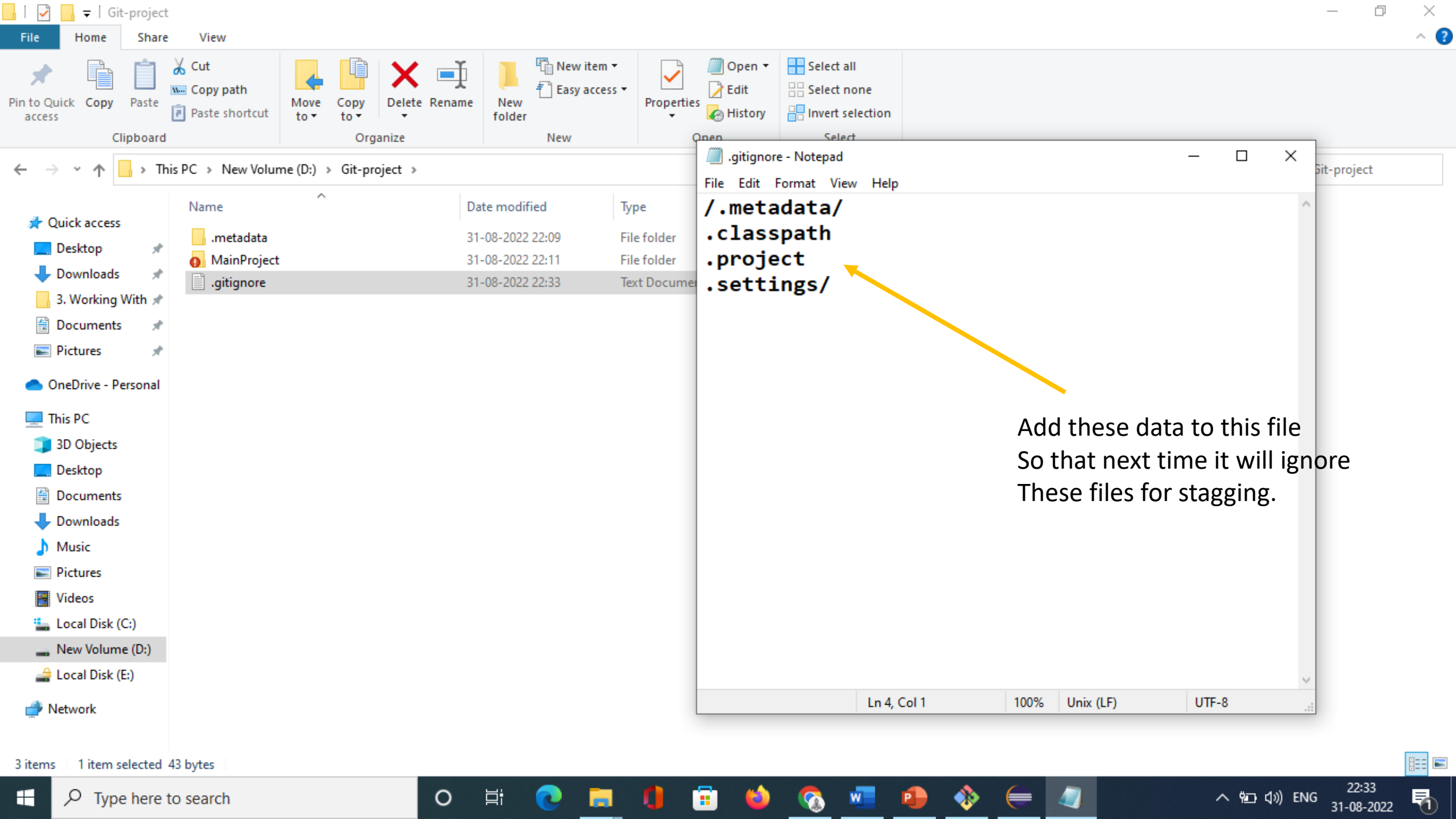
Look for an app in the Microsoft Store

More apps ↓

☐ Always use this app to open .gitignore files

OK

Open this file in notepad



.gitignore - Notepad

File Edit Format View Help

```
/.metadata/  
.  
classpath  
.project  
.settings/
```

Add these data to this file
So that next time it will ignore
These files for staging.

Ln 4, Col 1

100%

Unix (LF)

UTF-8

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
```

```
$ git status
```

```
On branch master
```

```
No commits yet
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
```

```
new file:   .gitignore
```

```
new file:   MainProject/.gitignore
```

```
new file:   MainProject/src/com/velocity/collections/ArrayListDemo1.java
```

```
new file:   MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

Now only tracked files are shown properly

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
```

```
$ git commit -m "First commit"
```

```
[master (root-commit) 0d3b89c] First commit
```

```
4 files changed, 63 insertions(+)
```

```
create mode 100644 .gitignore
```

```
create mode 100644 MainProject/.gitignore
```

```
create mode 100644 MainProject/src/com/velocity/collections/ArrayListDemo1.java
```

```
create mode 100644 MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
```

```
$
```

Use git commit -m "Message" command to commit all files to Local repository

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
```

```
$ git status
```

```
On branch master
```

```
No commits yet
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
```

```
new file:   .gitignore
```

```
new file:   MainProject/.gitignore
```

```
new file:   MainProject/src/com/velocity/collections/ArrayListDemo1.java
```

```
new file:   MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
```

```
$ git commit -m "First commit"
```

```
[master (root-commit) 0d3b89c] First commit
```

```
4 files changed, 63 insertions(+)
```

```
create mode 100644 .gitignore
```

```
create mode 100644 MainProject/.gitignore
```

```
create mode 100644 MainProject/src/com/velocity/collections/ArrayListDemo1.java
```

```
create mode 100644 MainProject/src/com/velocity/collections/LinkedListDemo2.java
```

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
```

```
$ git status
```

```
On branch master
```

```
nothing to commit, working tree clean
```

```
praveen bhosle@DESKTOP-OKB3KRS MINGW64 /d/Git-project (master)
```

```
$
```

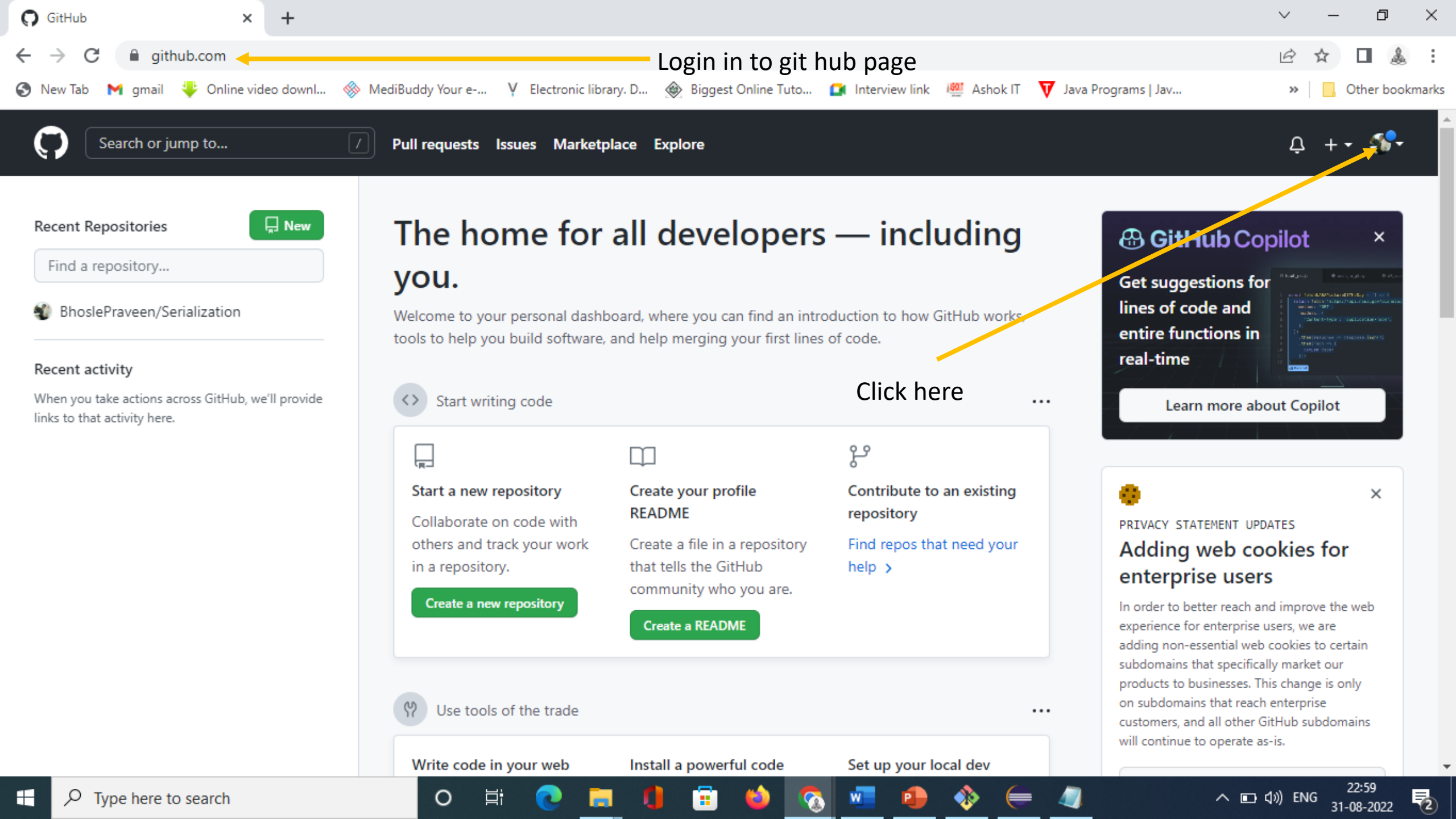
Check the final status of committed files

Stage -2 Connect Local Repository with Server

- When we have created a repository on our local computer and then want to connect it with a server. Then, run the below command.

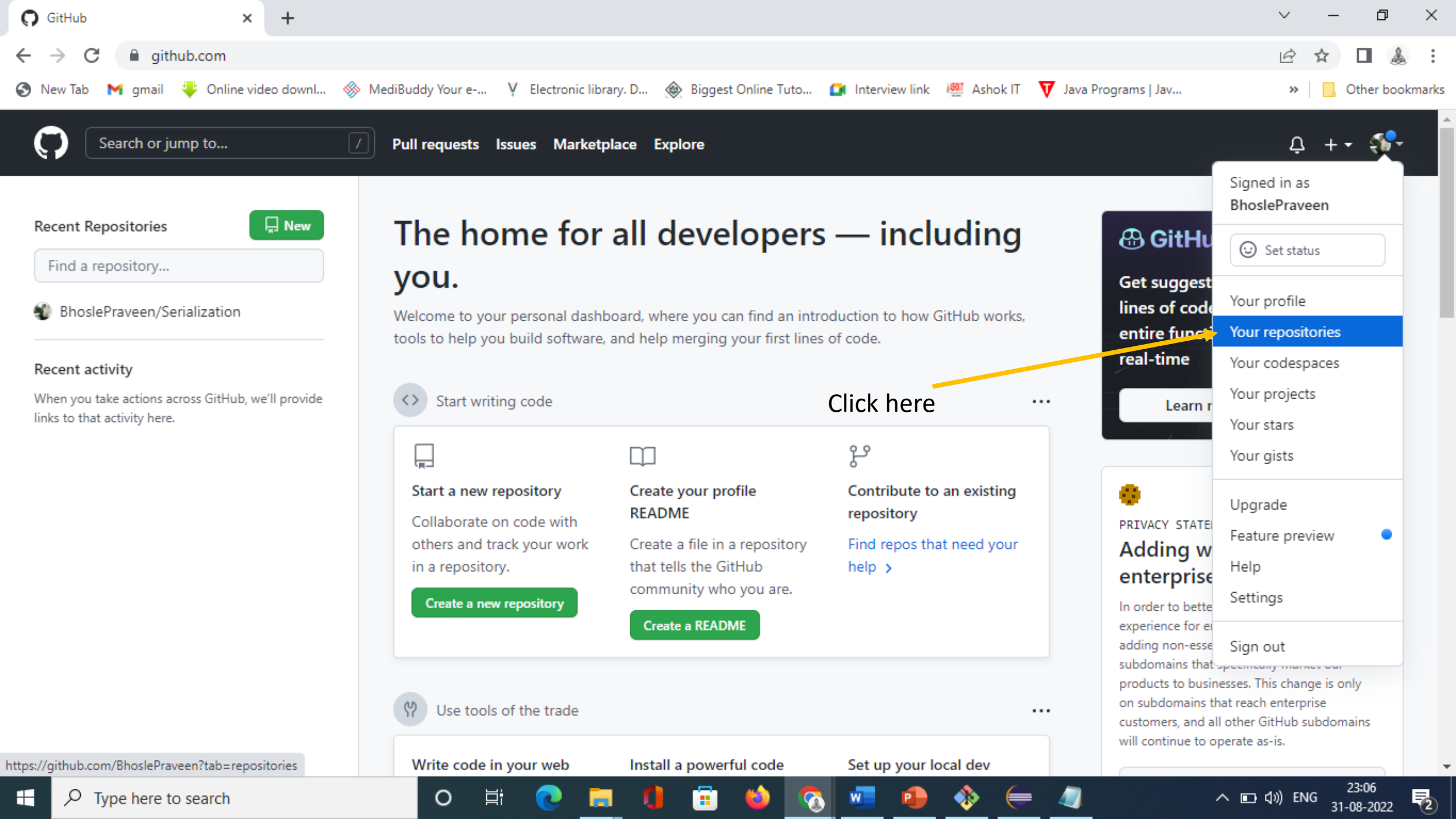
```
git remote add [remote_name] [remote_url]
```

- You can specify anything as a [remote_name]. But, conventionally we name it as the origin.
- Whereas, remote_url is the path to your Git repository on the server. This URL will be provided by your Git hosting provider.



Login in to git hub page

Click here



Recent Repositories

New

Find a repository...

BhoslePraveen/Serialization

Recent activity

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

The home for all developers — including you.

Welcome to your personal dashboard, where you can find an introduction to how GitHub works, tools to help you build software, and help merging your first lines of code.

<> Start writing code

Click here



Start a new repository

Collaborate on code with others and track your work in a repository.

Create a new repository



Create your profile README

Create a file in a repository that tells the GitHub community who you are.

Create a README



Contribute to an existing repository

Find repos that need your help >



Use tools of the trade

Write code in your web

Install a powerful code

Set up your local dev



Get suggested lines of code, entire functions, and real-time feedback.

Learn more




Adding new enterprise

In order to better serve our enterprise customers, we are adding new enterprise subdomains that will continue to operate as-is.

Your Repositories

github.com/BhoslePraveen?tab=repositories

New Tab gmail Online video downl... MediBuddy Your e-... Electronic library. D... Biggest Online Tuto... Interview link Ashok IT Java Programs | Jav... Other bookmarks

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

Overview

Repositories 1

Projects

Packages

Stars

Find a repository...

Type

Language

Sort


New

Serialization Public

Codes with different case senario

Updated 14 days ago

Star



BhoslePraveen

Edit profile


Joined 17 days ago

Click here

https://github.com/new

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Type here to search




23:07 31-08-2022 ENG

Create a New Repository

github.com/new


New TabgmailOnline video downl...MediBuddy Your e-...Electronic library. D...Biggest Online Tuto...Interview linkAshok ITJava Programs | Jav...Other bookmarks

Search or jump to...Pull requestsIssuesMarketplaceExplore

Create a new repository

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

Owner *

BhoslePraveen

/


Repository name *

Git-project


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

Description (optional)

All collections Assignments

☒  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.](#)

Enter the repository name

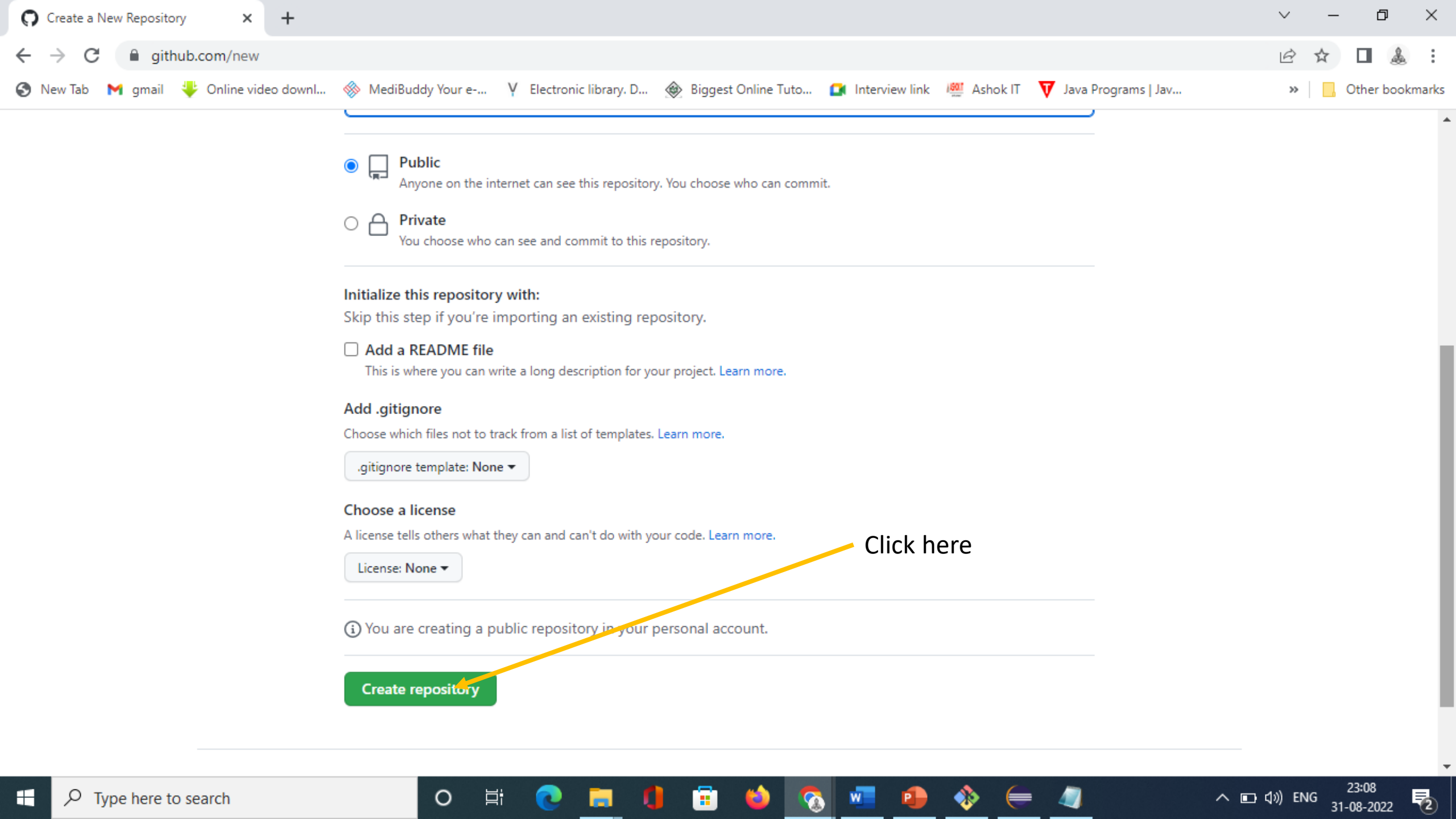
Note : This name should be same that Of your file created in your system

Write the description

Type here to search



23:08
31-08-2022



- ☒ **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.](#)

.gitignore template: None ▼

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



License: None ▼

i You are creating a public repository in your personal account.

Create repository

Click here

Quick setup — if you've done this kind of thing before

 Set up in Desktop or ☐ HTTPS ☒ SSH `git@github.com:8hoslePraveen/Git-project.git` 

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# Git-project" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin git@github.com:BhoslePraveen/Git-project.git
git push -u origin main
```

This is your remote URL of repository

This is your remote URL of repository

..or push an existing repository from the command line

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ git remote add origin git@github.com:BhoslePraveen/Git-project.git
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ git push origin master
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (11/11), 1.17 KiB | 200.00 KiB/s, done.
Total 11 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:BhoslePraveen/Git-project.git
 * [new branch]      master -> master
```

```
praveen bhosle@DESKTOP-0KB3KRS MINGW64 /d/Git-project (master)
$ |
```

This command creates a connection between
Your local repository and the remote repository
On GitHub

This command pushes your repository from local
Device to GitHub.

master 1 branch 0 tags

Go to file Add file Code

BhoslePraveen	First commit	0d3b89c	20 minutes ago	1 commit
MainProject	First commit		20 minutes ago	
.gitignore	First commit		20 minutes ago	

Help people interested in this repository understand your project by adding a README.

Add a README

About

All collections Assignments

- 0 stars
- 1 watching
- 0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Go to file Add file ...

 LinkedListDemo2.java First commit 20 minutes ago

Thank You