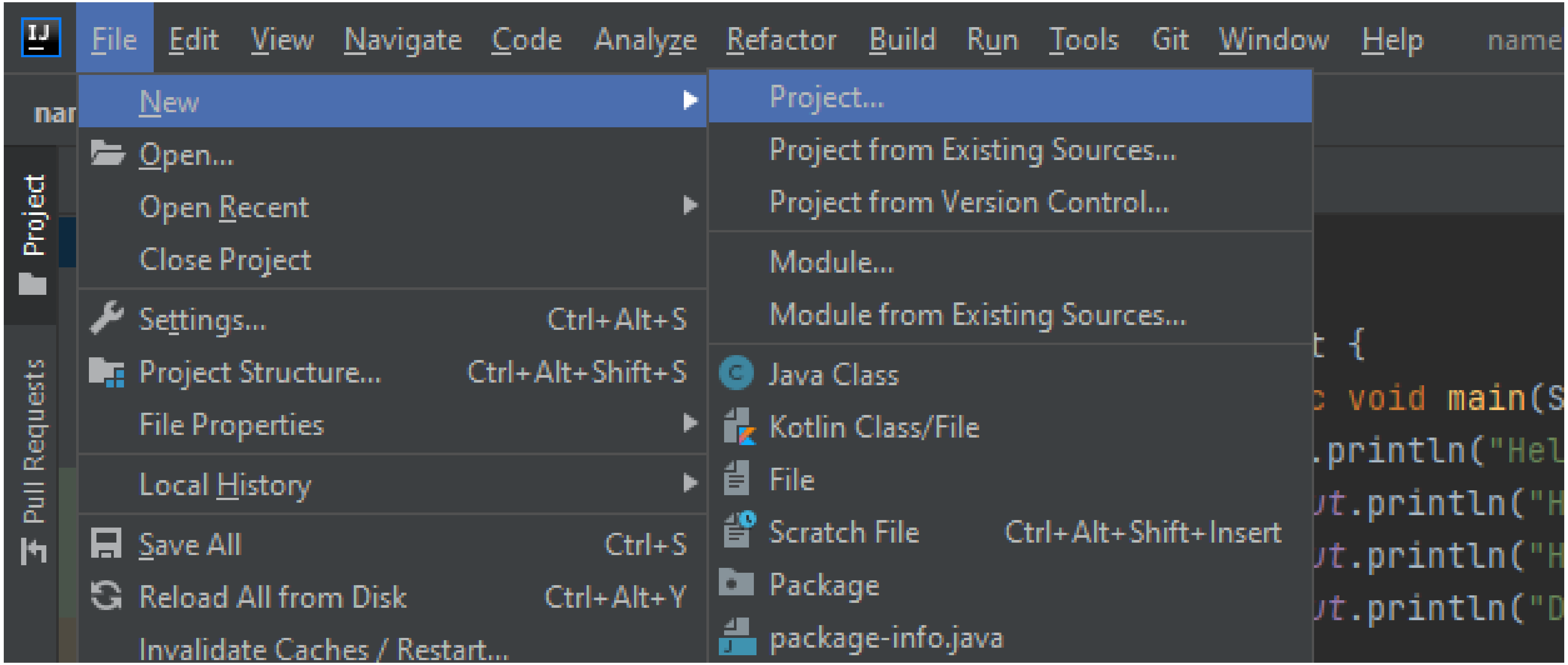
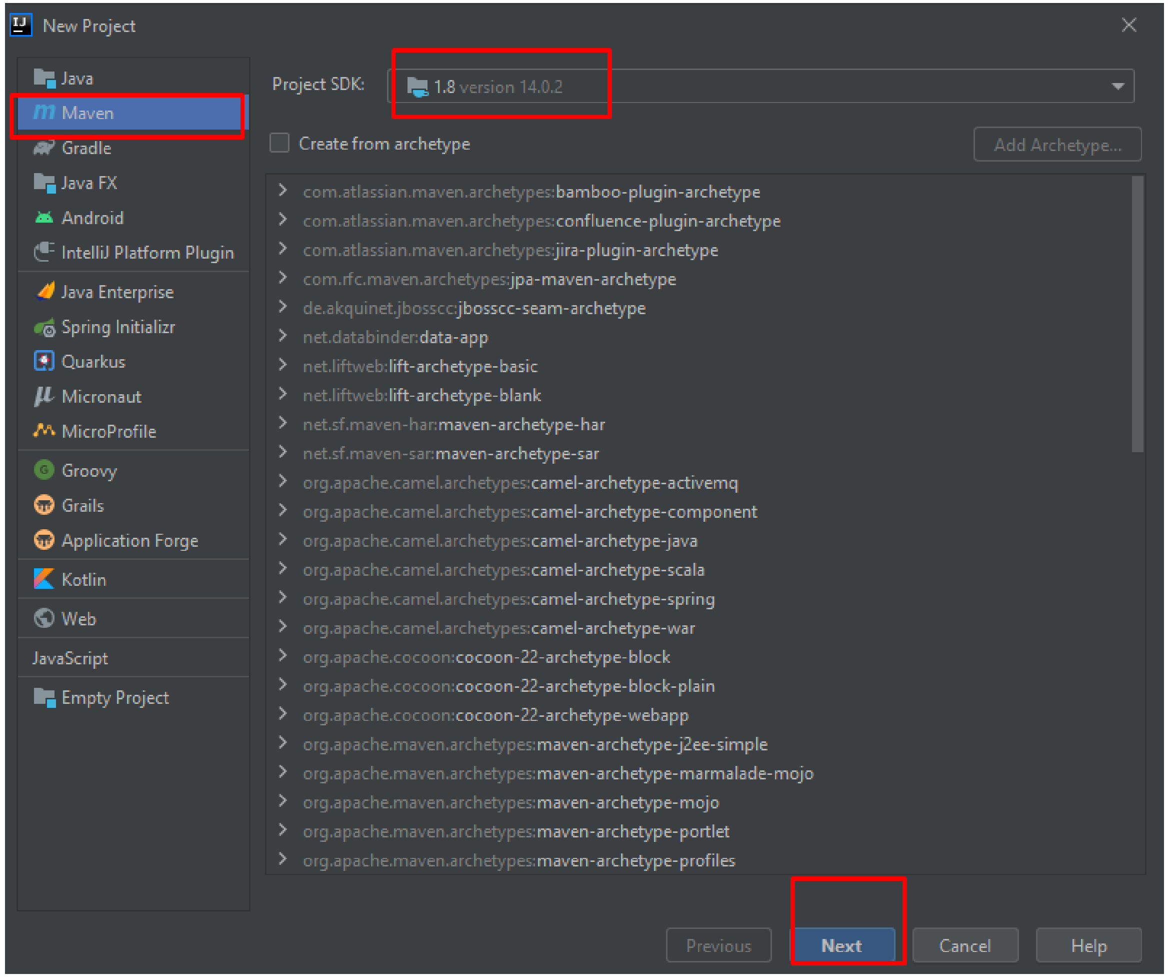
CREATING NEW PROJECT

GO TO INTELLIJ AND CREATE NEW PROJECT



CREATING NEW PROJECT

CHOOSE MAVEN
CHOOSE SDK
CLICK NEXT

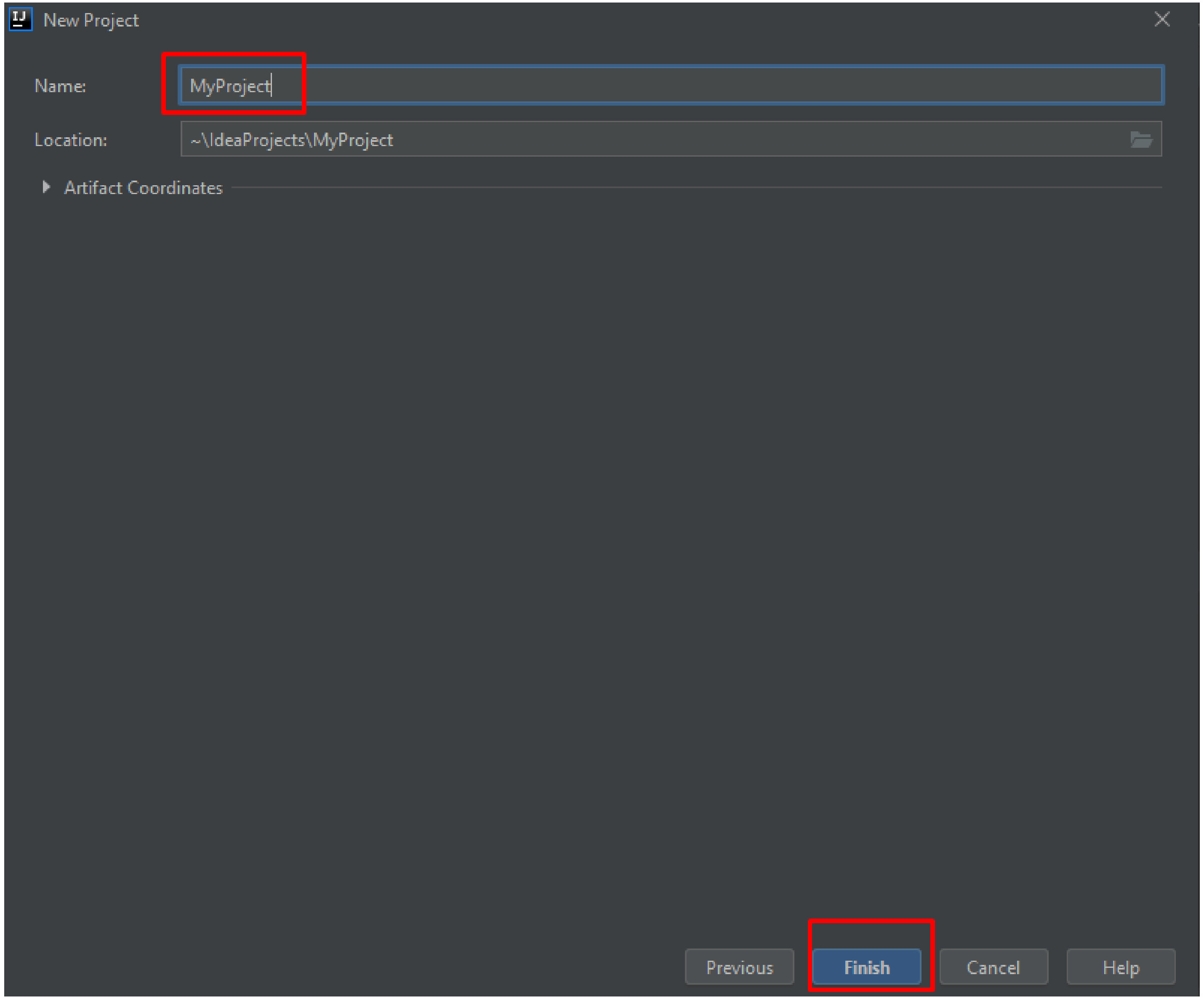

New Project
Java
Maven
Gradle
Java FX
Android
IntelliJ Platform Plugin
Java Enterprise
Spring Initializr
Quarkus
Micronaut
MicroProfile
Groovy
Grails
Application Forge
Kotlin
Web
JavaScript
Empty Project
Add Archetype...
com.atlassian.maven.archetypes:bamboo-plugin-archetype
com.atlassian.maven.archetypes:confluence-plugin-archetype
com.atlassian.maven.archetypes:jira-plugin-archetype
com.rfc.maven.archetypes:jpa-maven-archetype
de.akquinet.jbosscc:jbosscc-seam-archetype
net.databinder:data-app
net.liftweb:lift-archetype-basic
net.liftweb:lift-archetype-blank
net.sf.maven-har:maven-archetype-har
net.sf.maven-sar:maven-archetype-sar
org.apache.camel.archetypes:camel-archetype-activemq
org.apache.camel.archetypes:camel-archetype-component
org.apache.camel.archetypes:camel-archetype-java
org.apache.camel.archetypes:camel-archetype-scala
org.apache.camel.archetypes:camel-archetype-spring
org.apache.camel.archetypes:camel-archetype-war
org.apache.cocoon:cocoon-22-archetype-block
org.apache.cocoon:cocoon-22-archetype-block-plain
org.apache.cocoon:cocoon-22-archetype-webapp
org.apache.maven.archetypes:maven-archetype-j2ee-simple
org.apache.maven.archetypes:maven-archetype-marmalade-mojo
org.apache.maven.archetypes:maven-archetype-mojo
org.apache.maven.archetypes:maven-archetype-portlet
org.apache.maven.archetypes:maven-archetype-profiles
Previous
Next
Cancel
Help

Project SDK: 1.8 version 14.0.2

☐ Create from archetype

CREATING NEW PROJECT

Write name
CLICK Finish

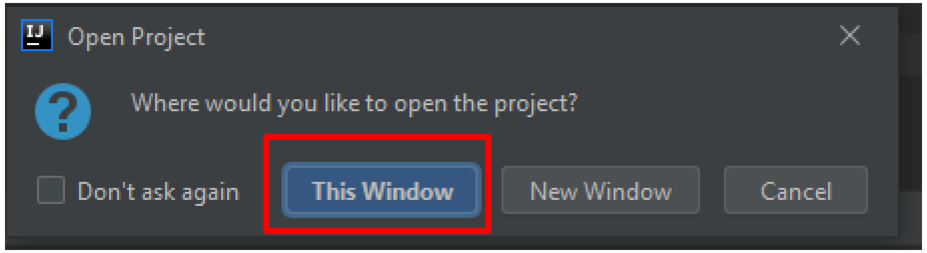


New Project

Name: MyProject

Location: ~\IdeaProjects\MyProject

CLICK This window

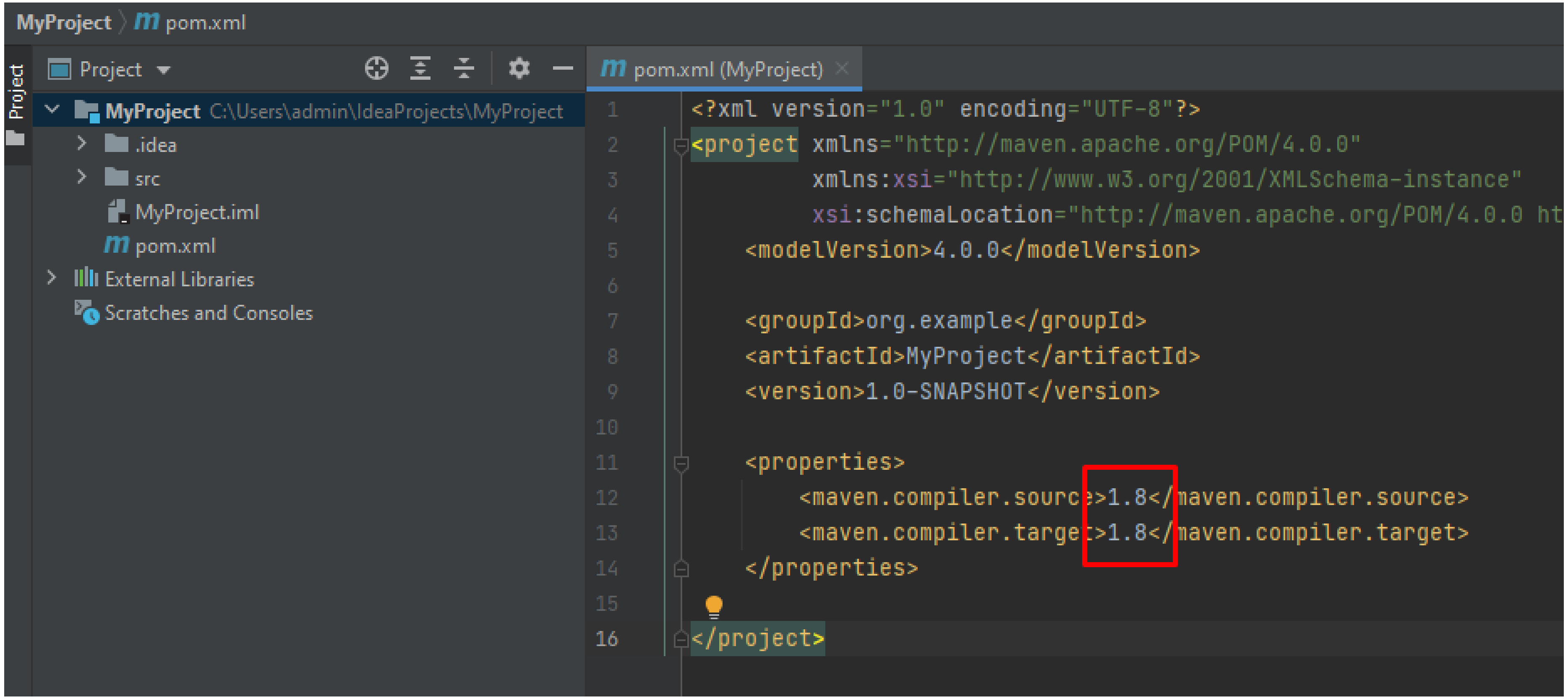


Open Project

Where would you like to open the project?

□ Don't ask again

CREATING NEW PROJECT

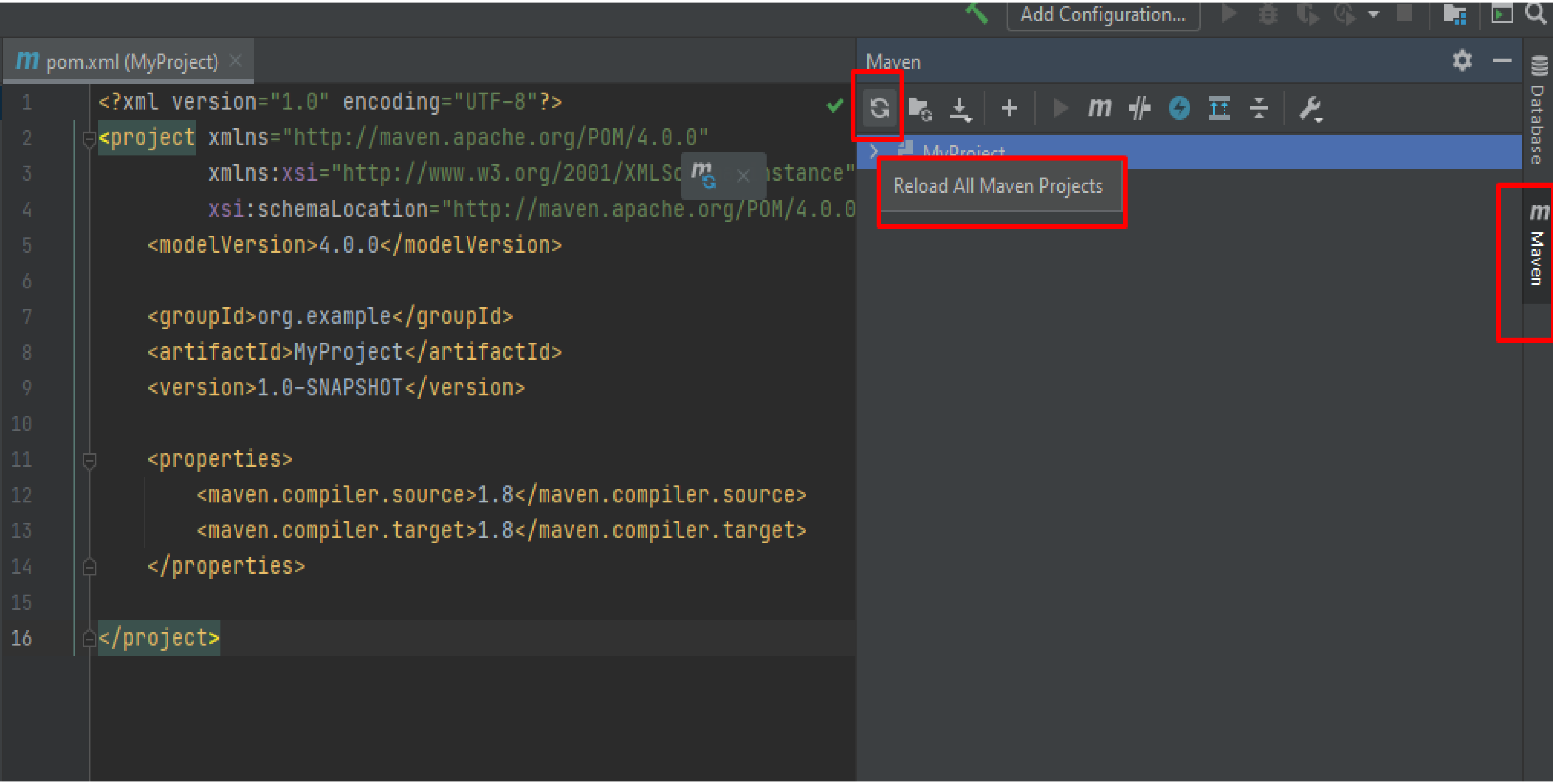


```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 ht
    <modelVersion>4.0.0</modelVersion>

    <groupId>org.example</groupId>
    <artifactId>MyProject</artifactId>
    <version>1.0-SNAPSHOT</version>

    <properties>
        <maven.compiler.source>1.8</maven.compiler.source>
        <maven.compiler.target>1.8</maven.compiler.target>
    </properties>

</project>
```

Open pom.xml

Properties ->
compiler version = 1.8

CREATING NEW PROJECT



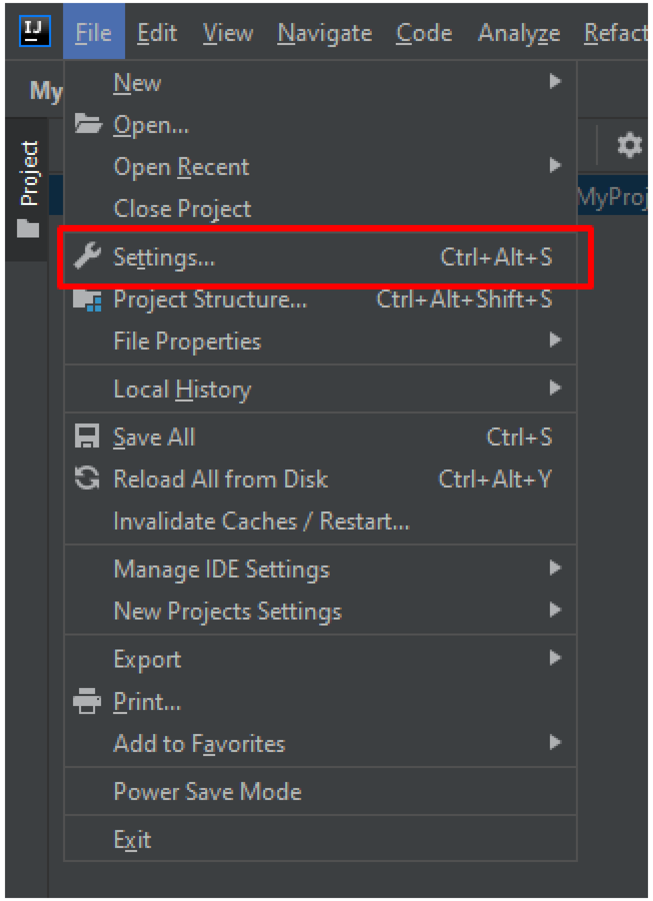
```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
         xmlns:xsi="http://www.w3.org/2001/XMLSc      nstance"
         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
    <modelVersion>4.0.0</modelVersion>

    <groupId>org.example</groupId>
    <artifactId>MyProject</artifactId>
    <version>1.0-SNAPSHOT</version>

    <properties>
        <maven.compiler.source>1.8</maven.compiler.source>
        <maven.compiler.target>1.8</maven.compiler.target>
    </properties>

</project>
```

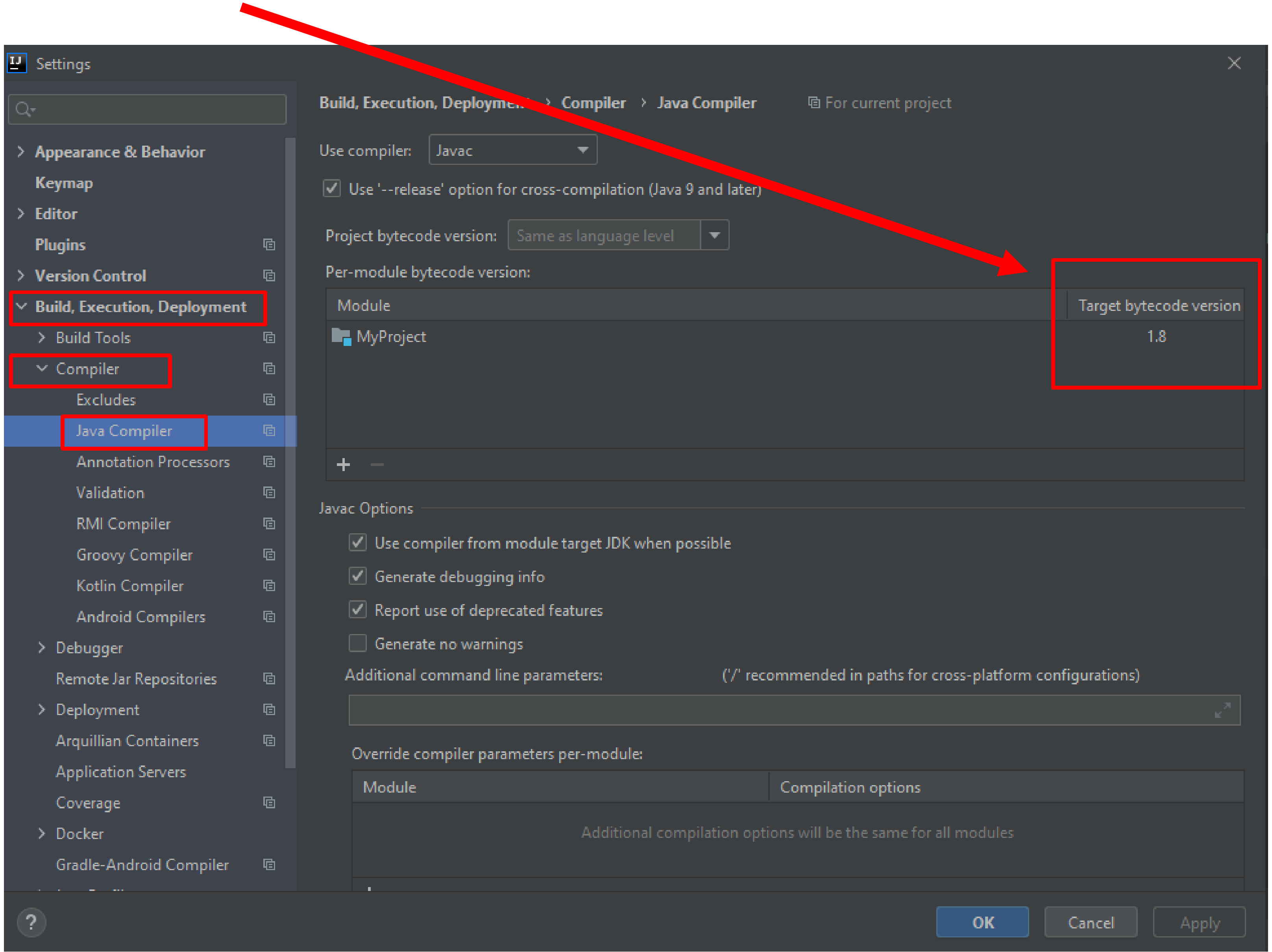
From right panel ->
Open Maven

Click ->
Reload all maven projects

Go to File -> Settings

Go to : Build -> Compiler -> Java compiler
Select 1.8





Use compiler: Javac

☑ Use '--release' option for cross-compilation (Java 9 and later)

Project bytecode version: Same as language level

Per-module bytecode version:

Module	Target bytecode version
MyProject	1.8

Javac Options

☑ Use compiler from module target JDK when possible

☑ Generate debugging info

☑ Report use of deprecated features

☐ Generate no warnings

Additional command line parameters: ('/' recommended in paths for cross-platform configurations)

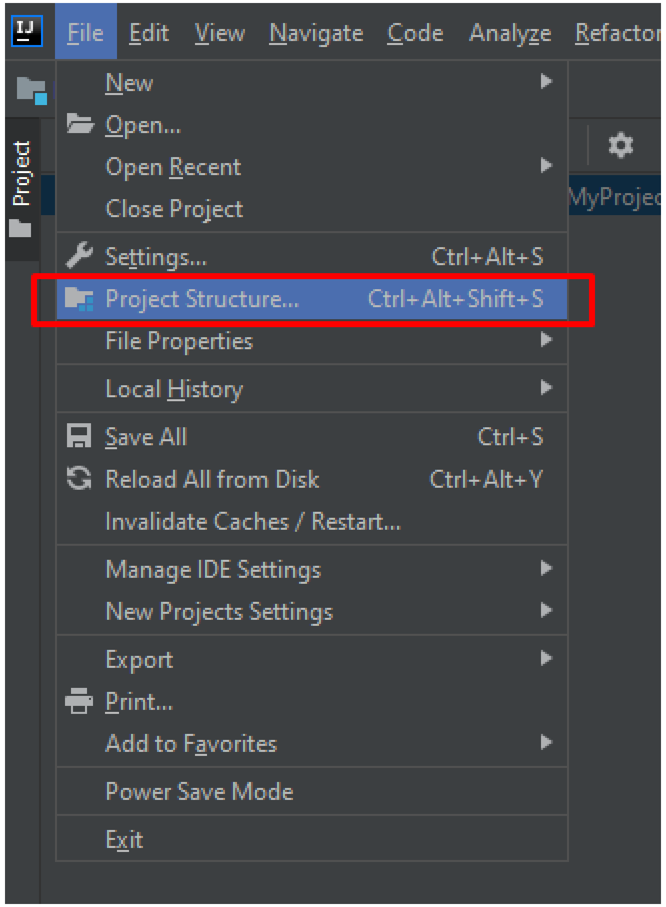
Override compiler parameters per-module:

Module	Compilation options

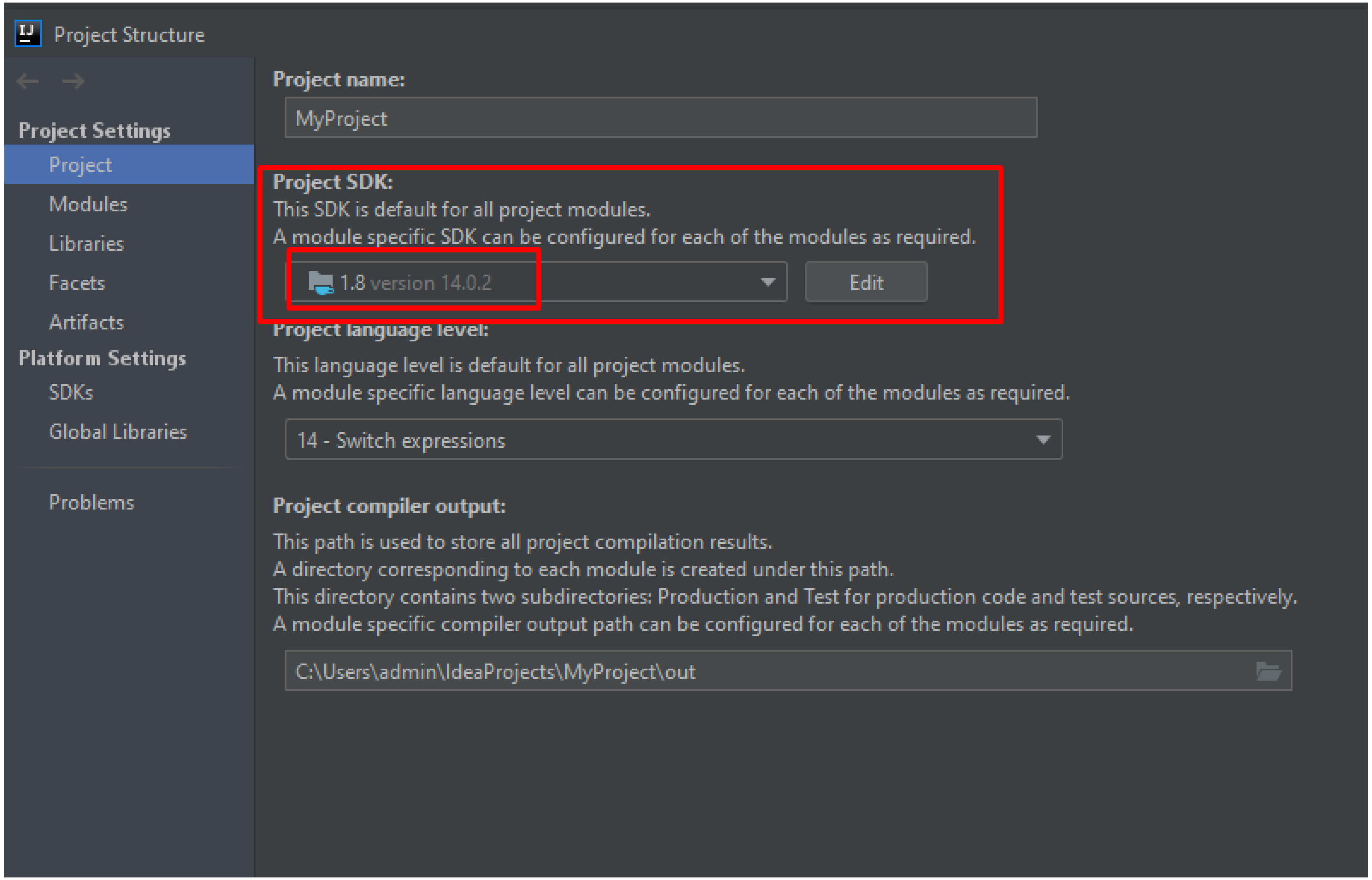
Additional compilation options will be the same for all modules

CREATING NEW PROJECT

Go to File -> Project Structure



Select Project SDK -> 1.8



Project name:

MyProject

Project SDK:

This SDK is default for all project modules.
A module specific SDK can be configured for each of the modules as required.

1.8 version 14.0.2

Project language level:

This language level is default for all project modules.
A module specific language level can be configured for each of the modules as required.

14 - Switch expressions

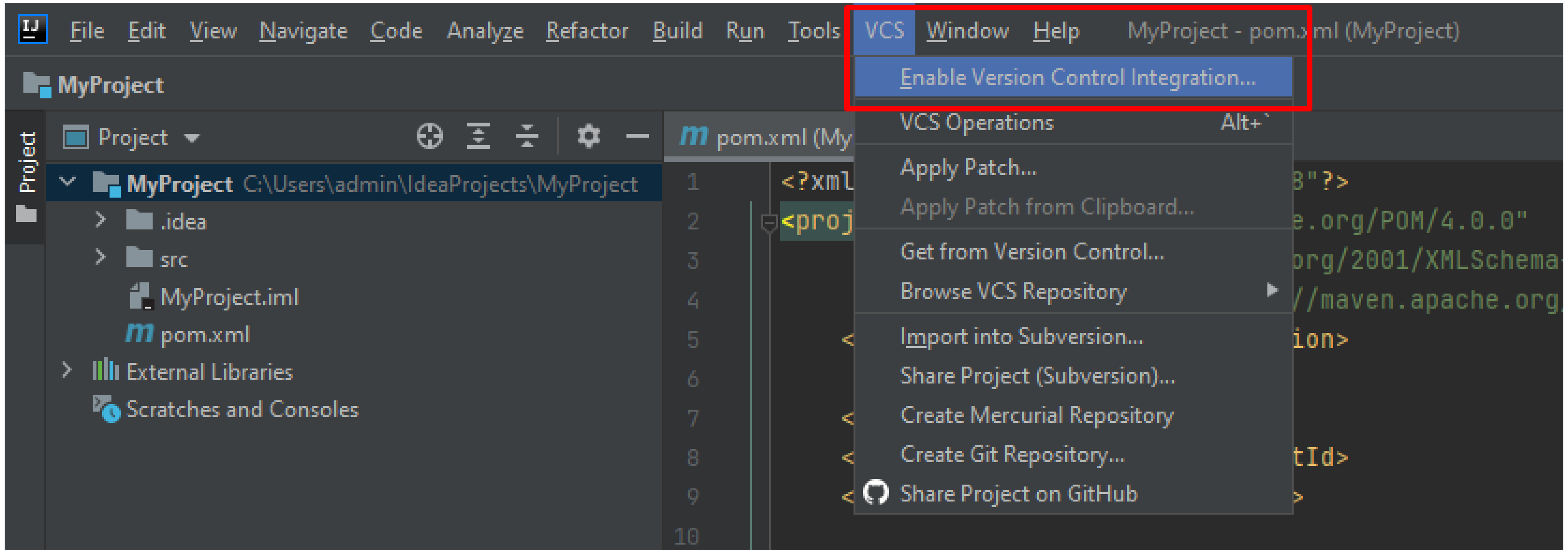
Project compiler output:

This path is used to store all project compilation results.
A directory corresponding to each module is created under this path.
This directory contains two subdirectories: Production and Test for production code and test sources, respectively.
A module specific compiler output path can be configured for each of the modules as required.

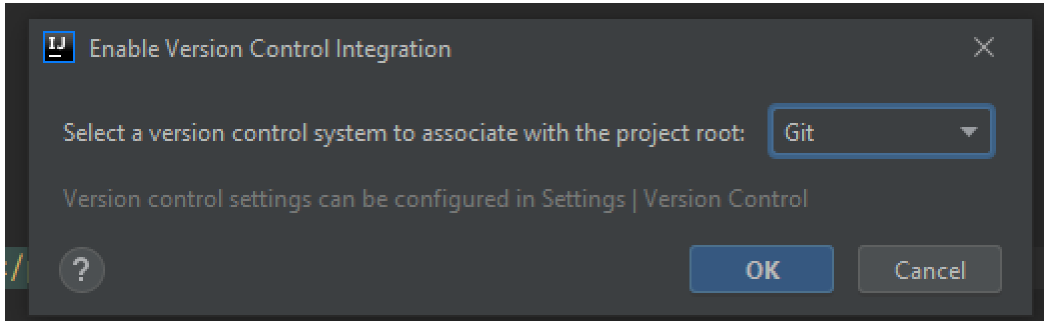
C:\Users\admin\IdeaProjects\MyProject\out

Connecting to Github

Go to File -> VCS
Click -> Enable Version Control Integration



Select -> Git

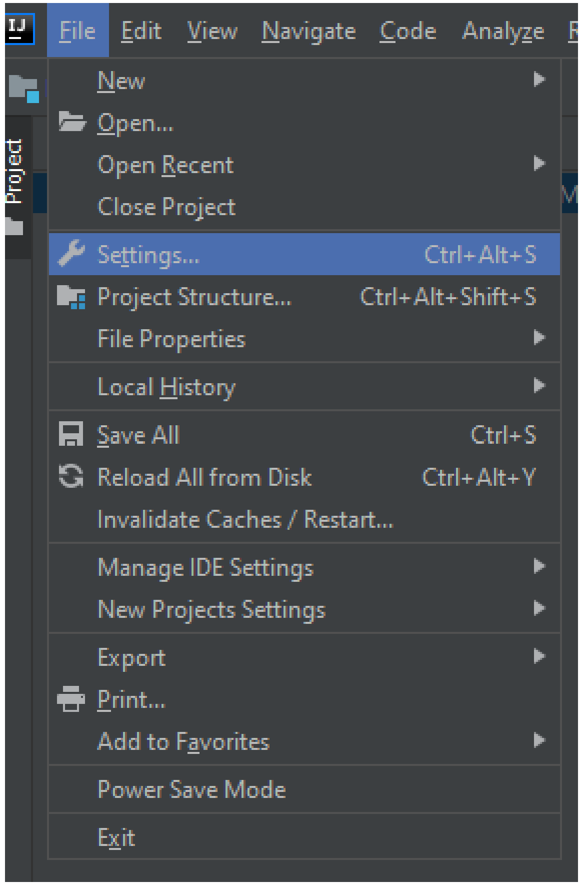


Select a version control system to associate with the project root: Git

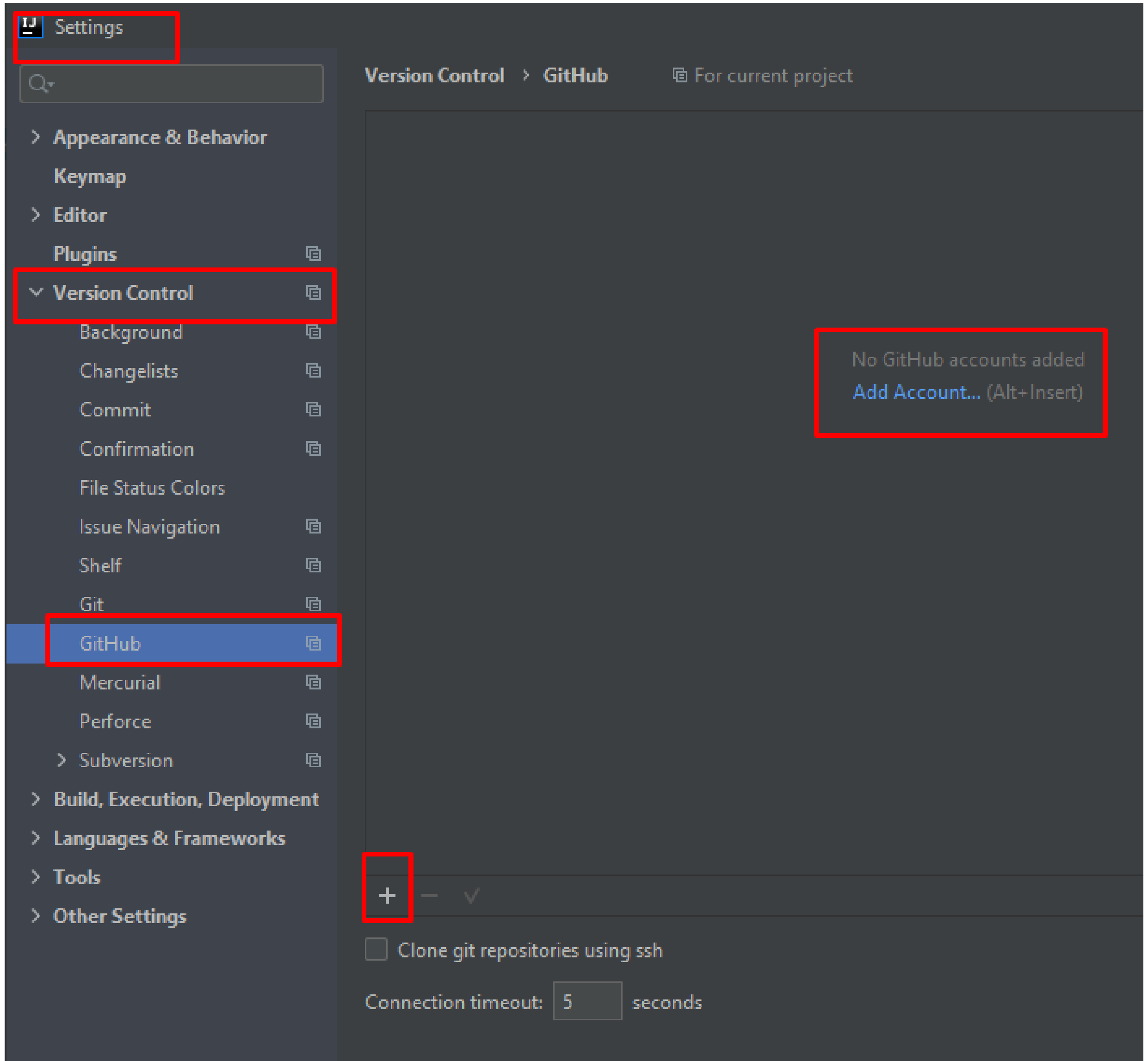
Version control settings can be configured in Settings | Version Control

Connecting to Github

Go to File -> Settings



Version control -> Github -> Add account



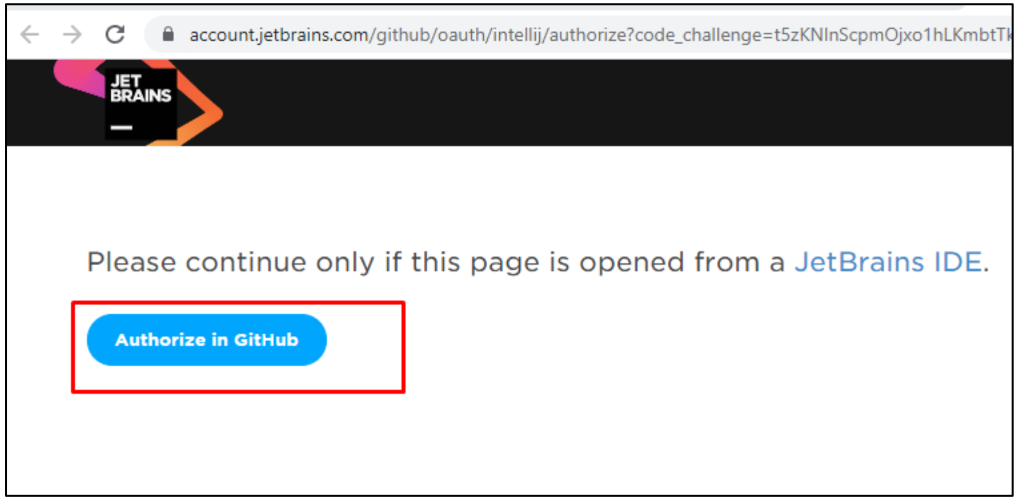
No GitHub accounts added

□ Clone git repositories using ssh

Connection timeout: 5 seconds

Connecting to Github

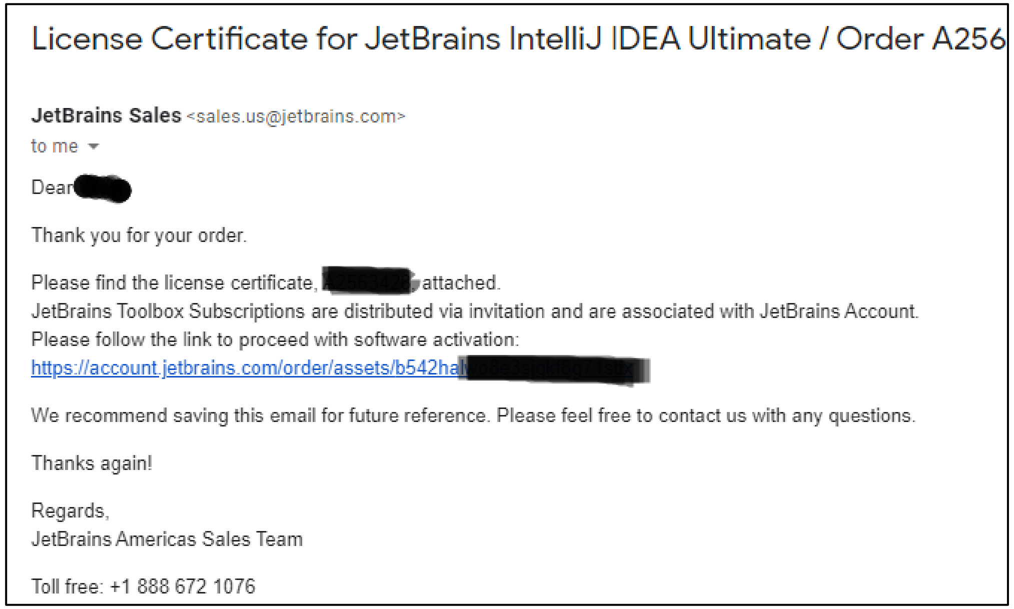
Click Authorize in Github



account.jetbrains.com/github/oauth/intellij/authorize?code_challenge=t5zKNlnScpmOjxo1hLKmbtTk

Please continue only if this page is opened from a JetBrains IDE.

If you don’t see this page, Login to JetBrains with your credentials. Check your mailbox for activating your Jetbrains account



License Certificate for JetBrains IntelliJ IDEA Ultimate / Order A256

JetBrains Sales <sales.us@jetbrains.com>
to me

Dear [redacted]

Thank you for your order.

Please find the license certificate, [redacted] attached.
JetBrains Toolbox Subscriptions are distributed via invitation and are associated with JetBrains Account.
Please follow the link to proceed with software activation:
https://account.jetbrains.com/order/assets/b542ha[redacted]

We recommend saving this email for future reference. Please feel free to contact us with any questions.

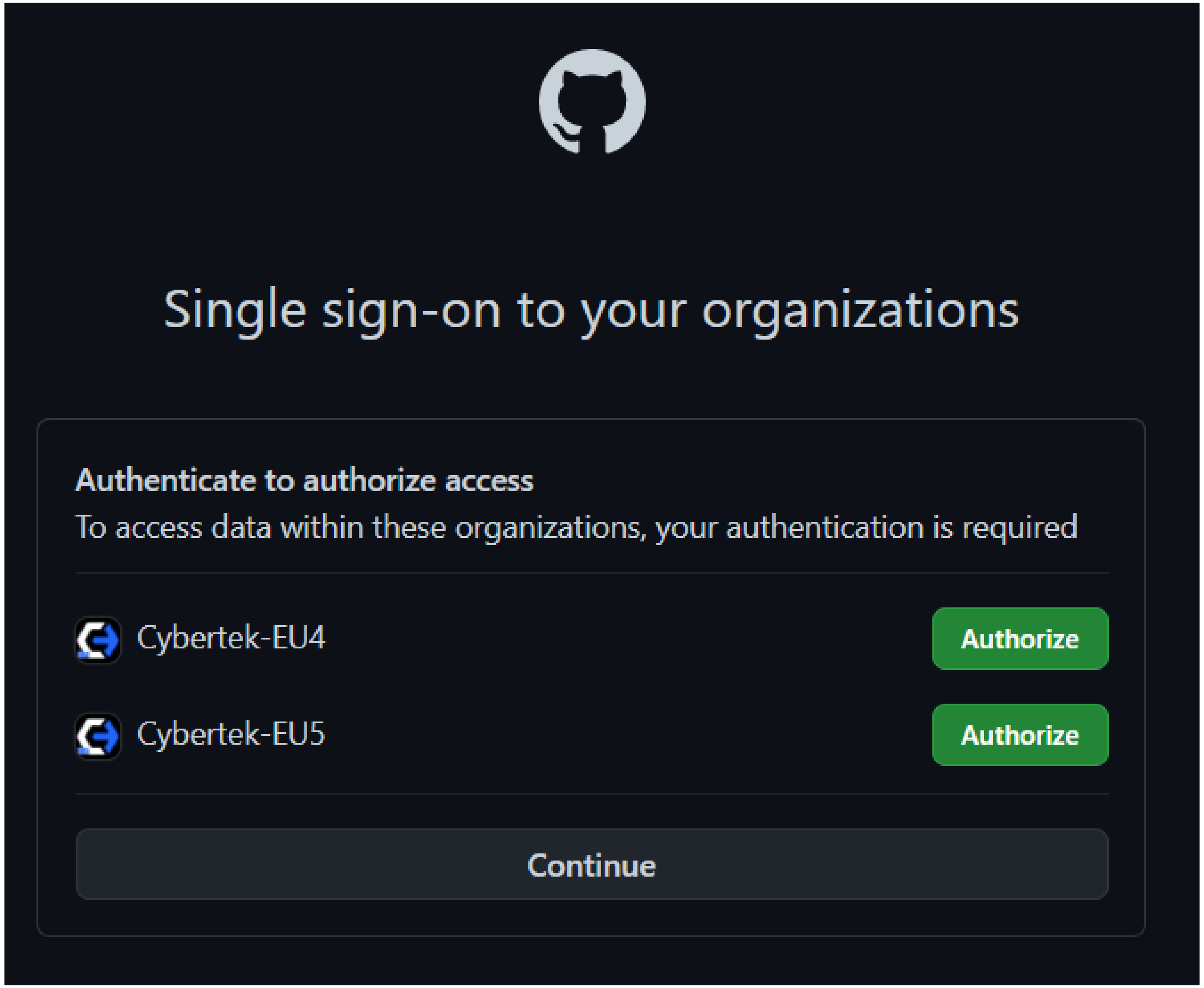
Thanks again!

Regards,
JetBrains Americas Sales Team

Toll free: +1 888 672 1076

Connecting to Github

Click Authorize and connect to Okta



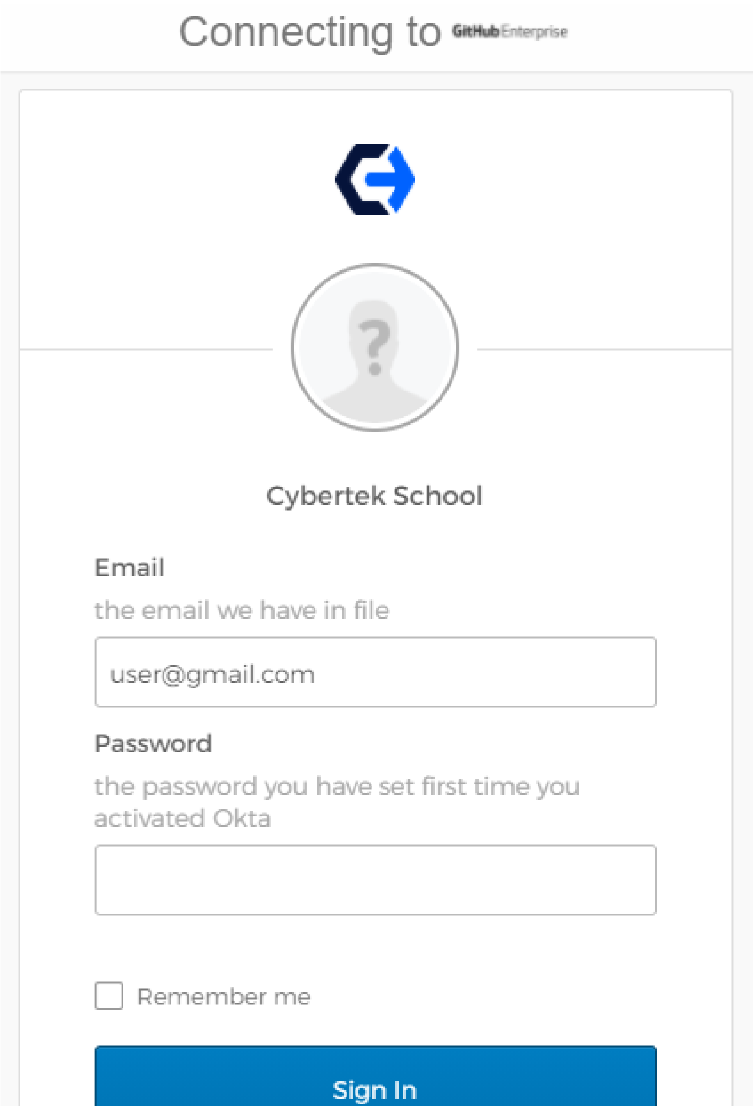
Single sign-on to your organizations

Authenticate to authorize access

To access data within these organizations, your authentication is required

- Cybertek-EU4 — Authorize
- Cybertek-EU5 — Authorize

Continue



Connecting to GitHub Enterprise

Cybertek School

Email

the email we have in file

user@gmail.com

Password

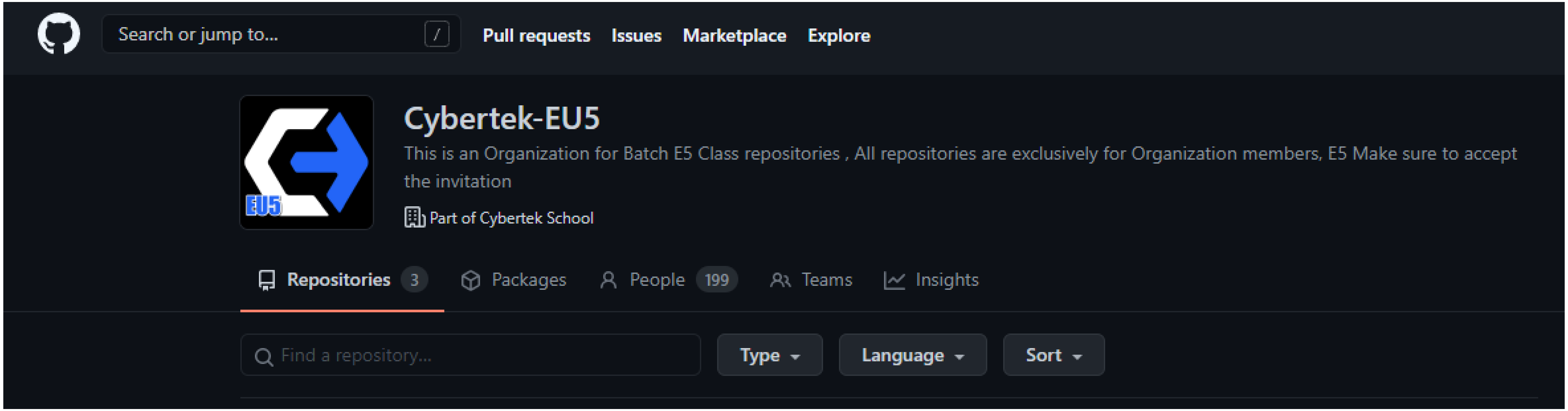
the password you have set first time you activated Okta

□ Remember me

Sign In

Connecting to Github

Now you can access Cybertek Github and connect to Intellij



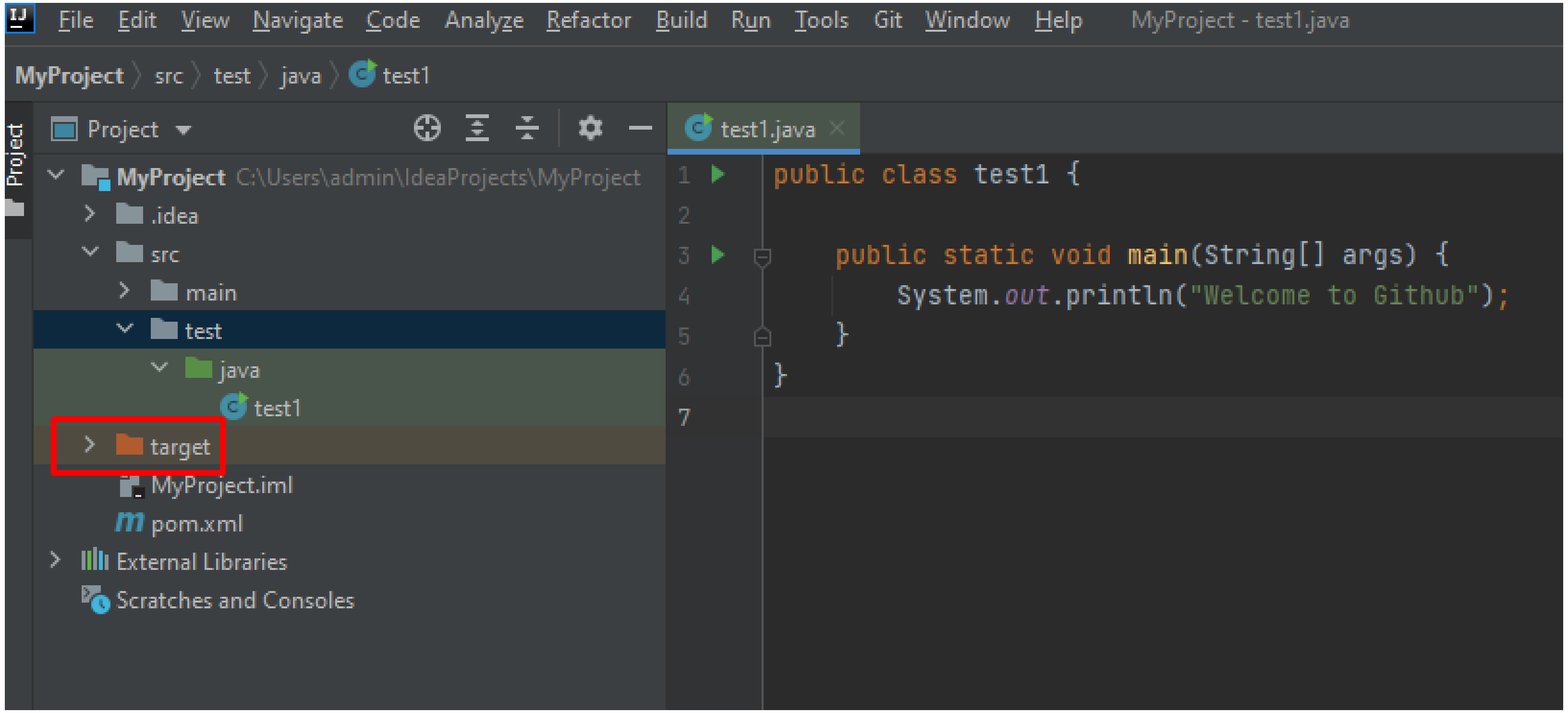
Cybertek-EU5

This is an Organization for Batch E5 Class repositories , All repositories are exclusively for Organization members, E5 Make sure to accept the invitation

Part of Cybertek School

Sharing Project on Github

Under test folder, create some class and run the codes in order to create the Target directory
Now we can see the Target File

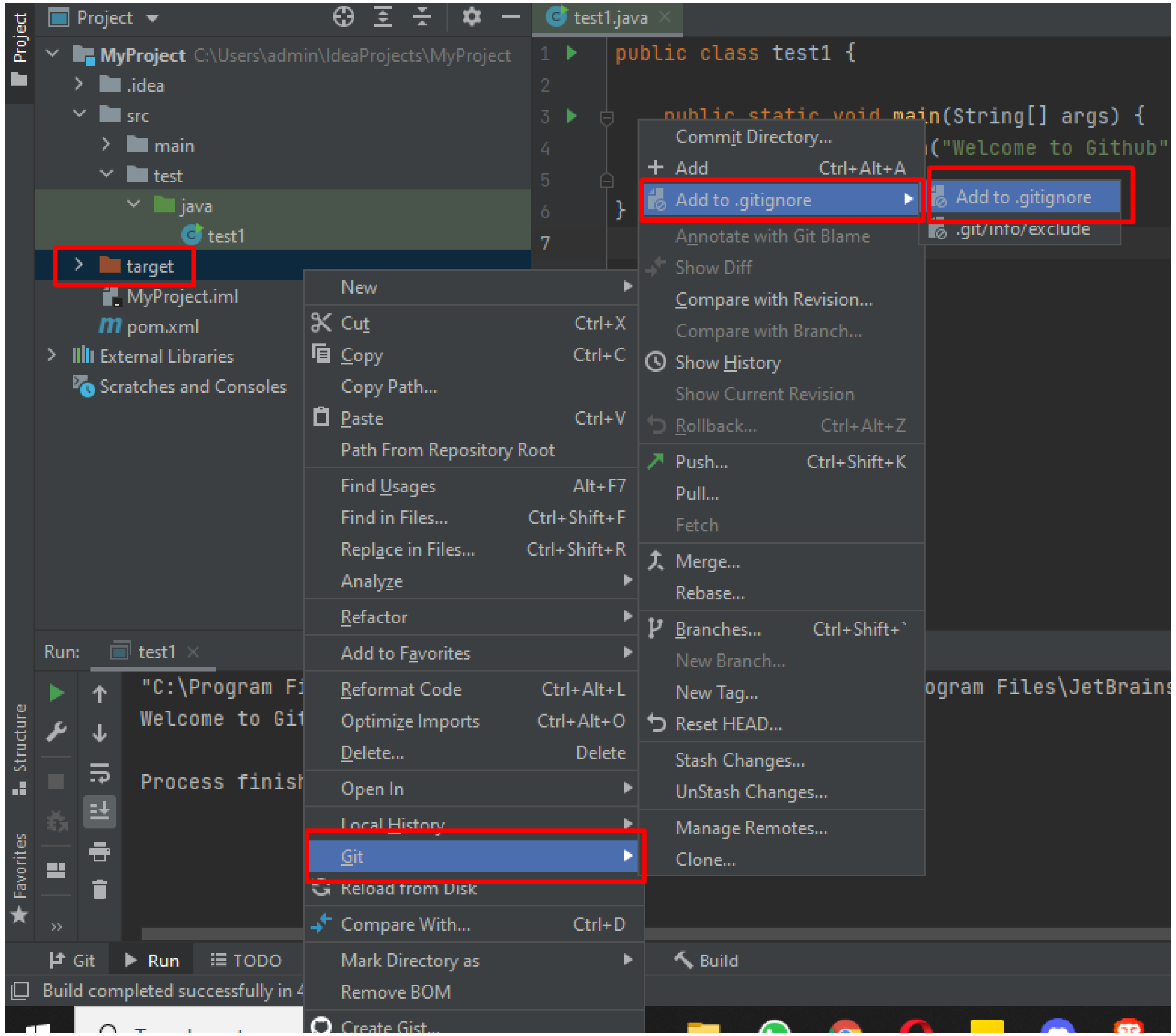


File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help MyProject - test1.java
MyProject 〉 src 〉 test 〉 java 〉 test1
Project
test1.java
MyProject C:\Users\admin\IdeaProjects\MyProject
.idea
src
main
test
java
test1
target
MyProject.iml
pom.xml
External Libraries
Scratches and Consoles

```
public class test1 {

    public static void main(String[] args) {
        System.out.println("Welcome to Github");
    }
}
```

Sharing Project on Github

Right Click Target -> Git -> Add to gitignore -> add to .gitignore

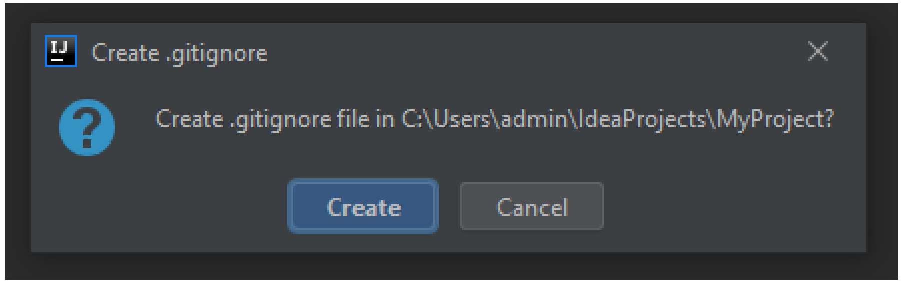


```
public class test1 {

    public static void main(String[] args) {
        ("Welcome to Github"
    }
```

```
"C:\Program Fi                ogram Files\JetBrains
Welcome to Git

Process finish
```

Build completed successfully in 4

Create .gitignore

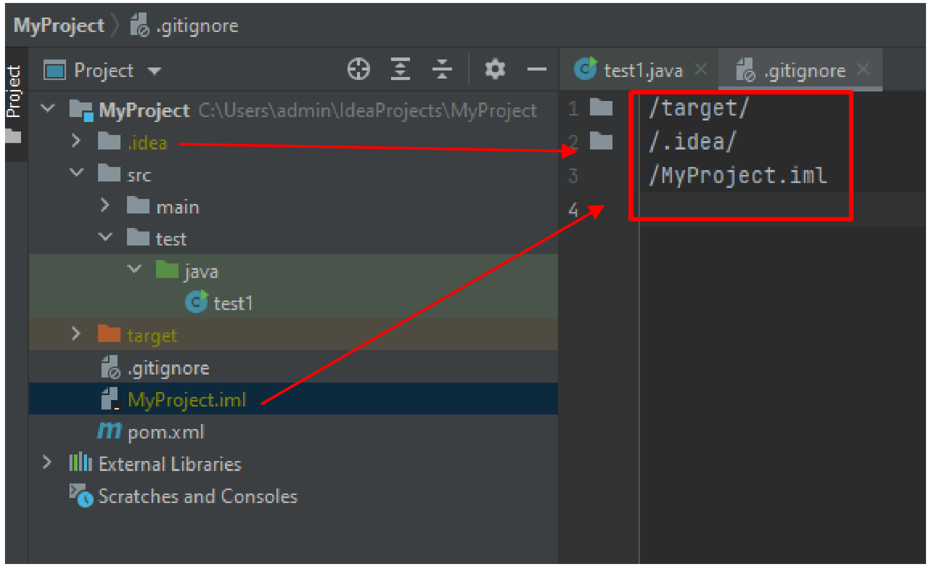


Create .gitignore file in C:\Users\admin\IdeaProjects\MyProject?

!!!

ADD <u>.idea</u> folder and <u>.iml</u> file to .gitignore

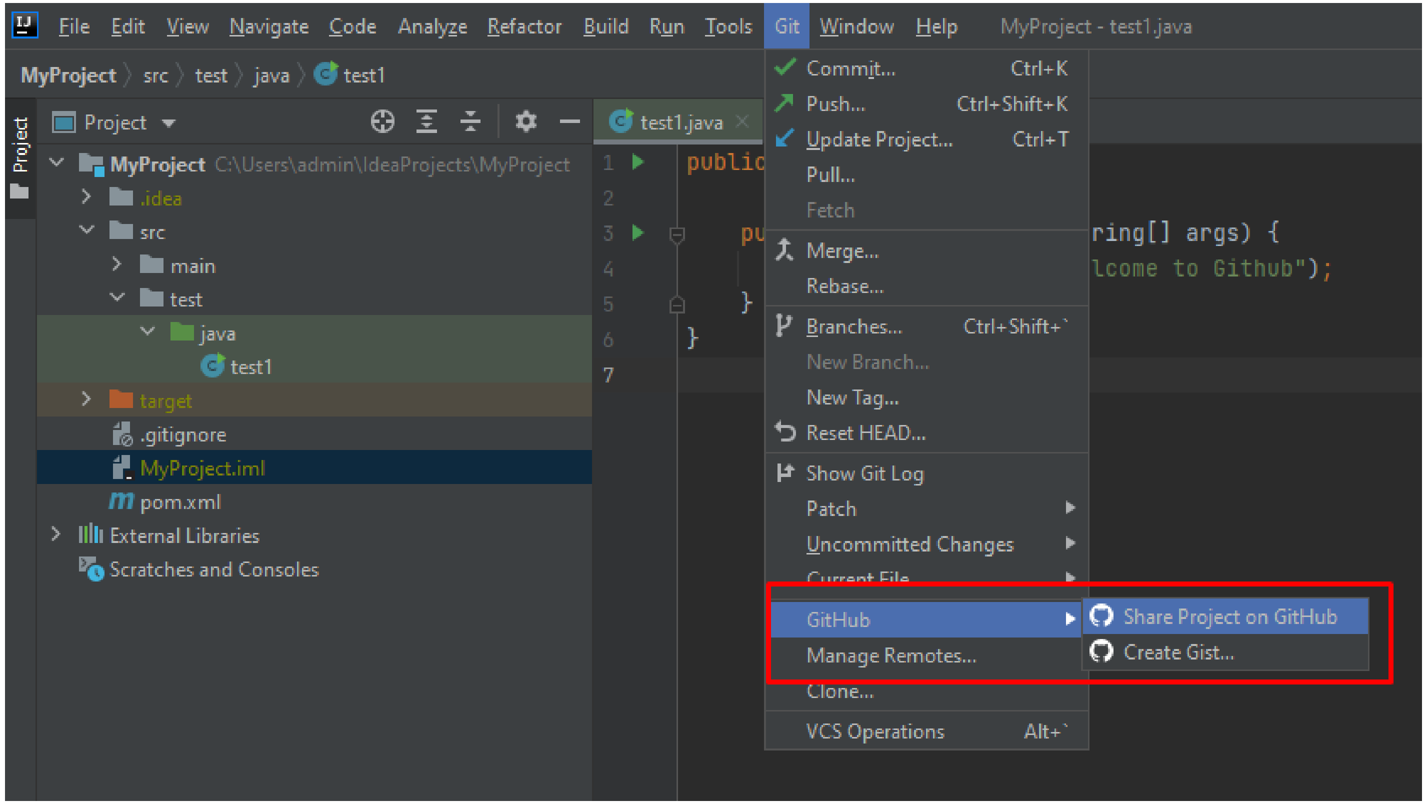
!!!



```
/target/
/.idea/
/MyProject.iml
```

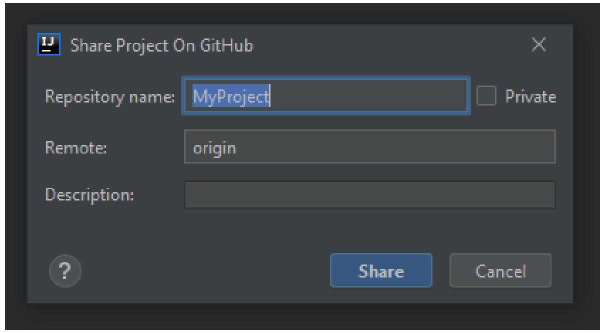
Sharing Project on Github

Git -> Github -> Share Project on Github



```
public
    pu                 ring[] args) {
                       lcome to Github");
    }
}
```

Share

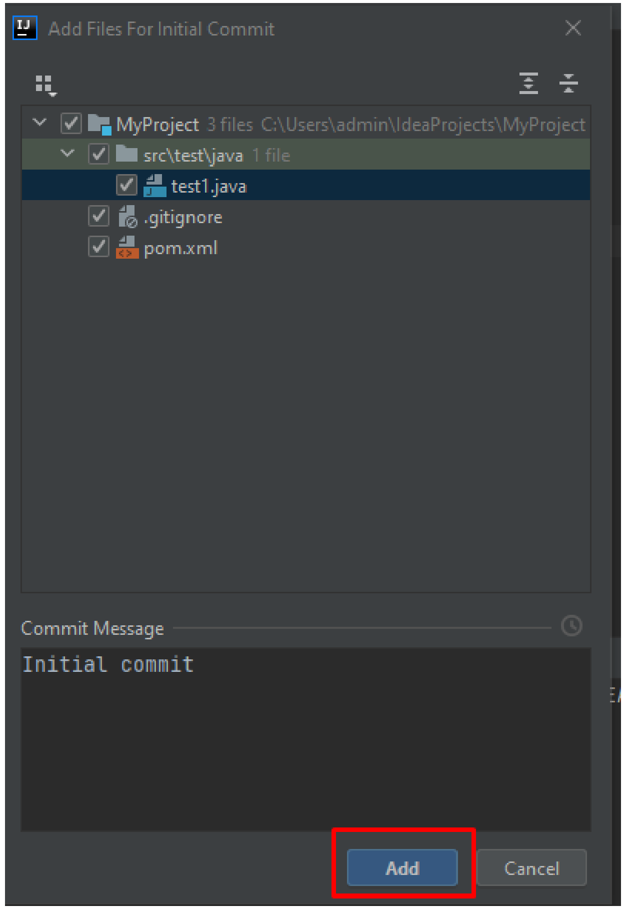


Repository name: MyProject ☐ Private

Remote: origin

Description:

Add



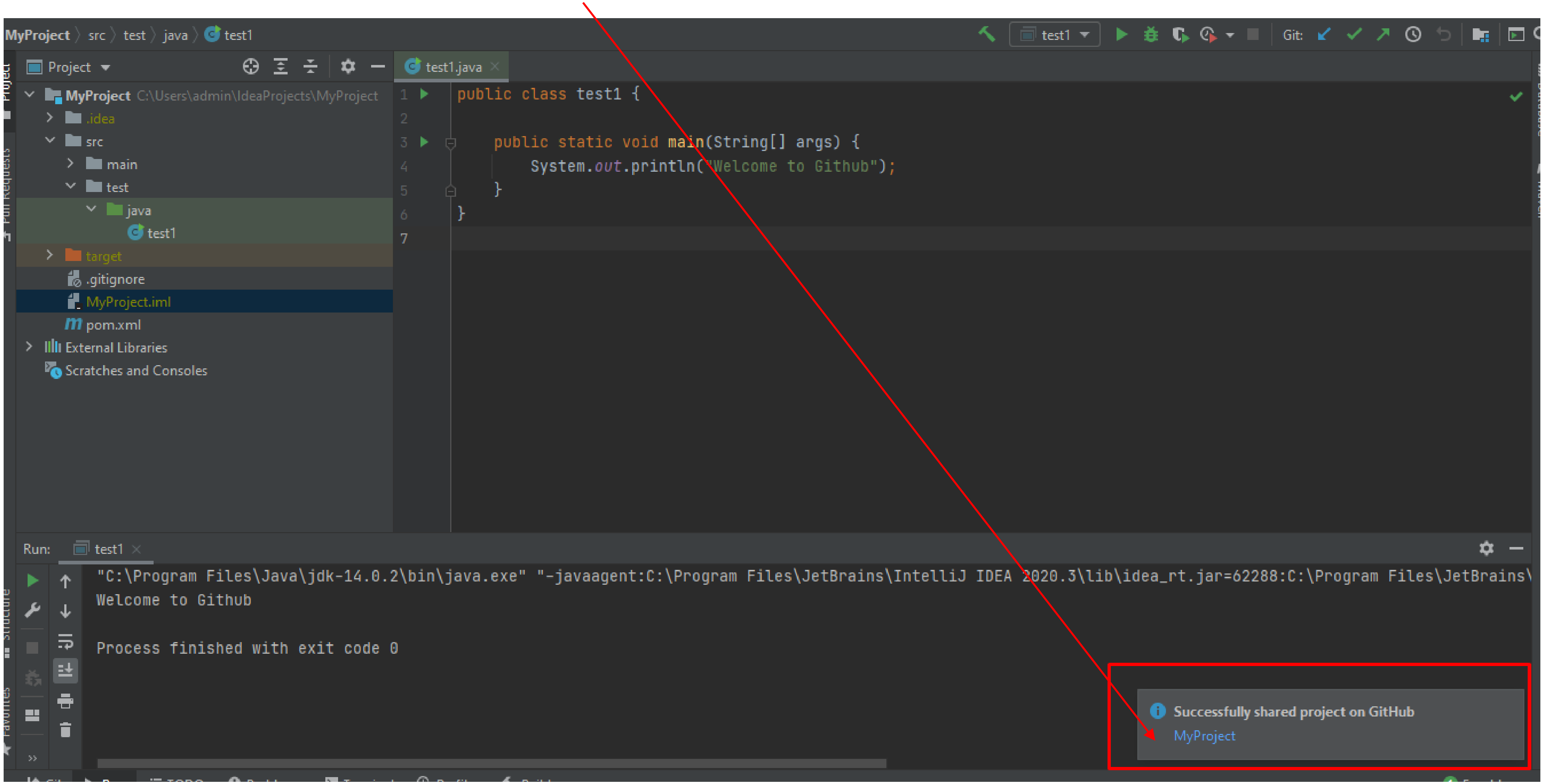
☑ MyProject 3 files C:\Users\admin\IdeaProjects\MyProject
☑ src\test\java 1 file
☑ test1.java
☑ .gitignore
☑ pom.xml

Commit Message

Initial commit

Sharing Project on Github

Successfully Shared on Github
Now click MyProject link and open Github Repo



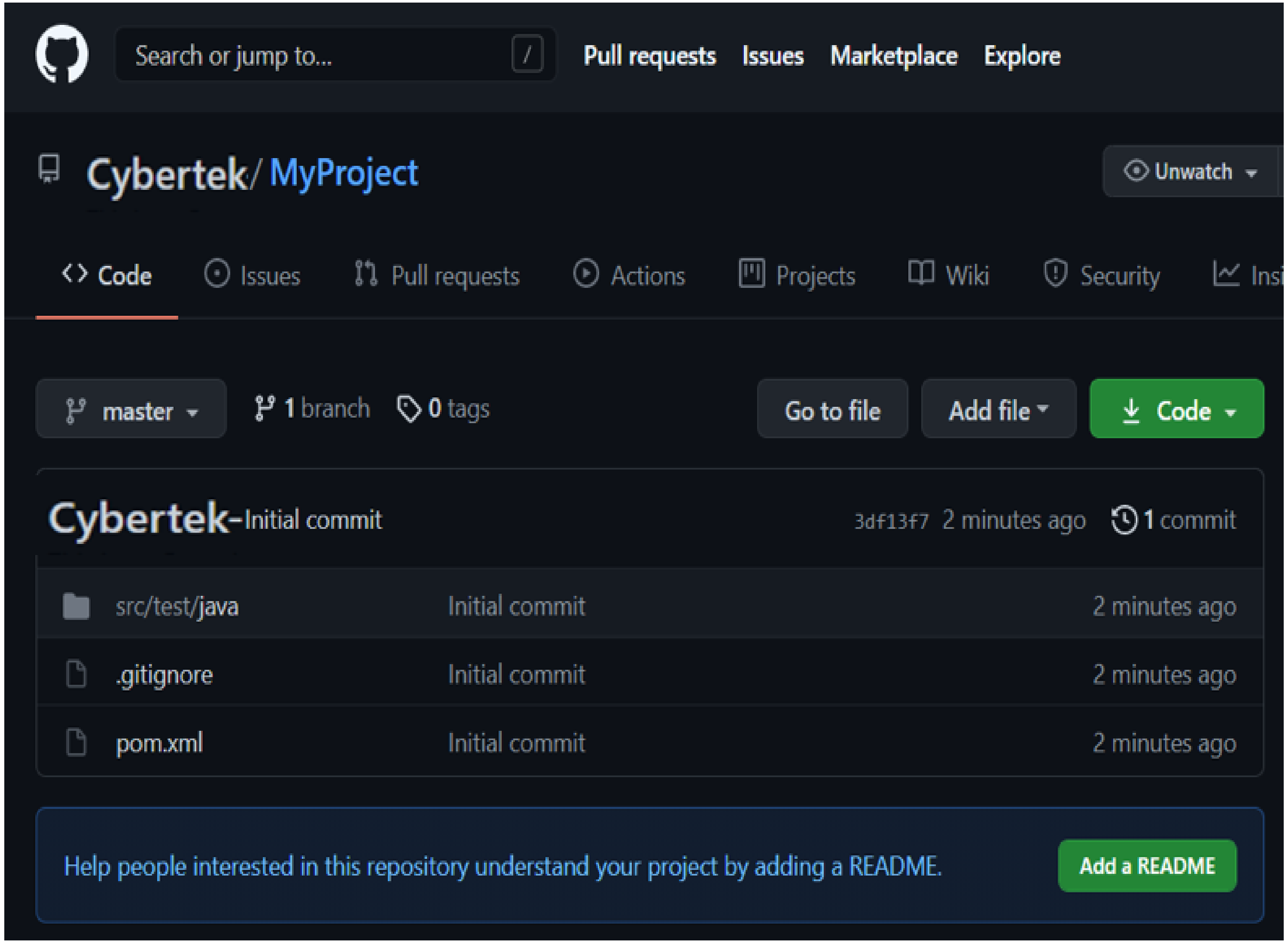
```java
public class test1 {

    public static void main(String[] args) {
        System.out.println("Welcome to Github");
    }
}
```

```
"C:\Program Files\Java\jdk-14.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2020.3\lib\idea_rt.jar=62288:C:\Program Files\JetBrains\
Welcome to Github

Process finished with exit code 0
```

Successfully shared project on GitHub
MyProject

Sharing Project on Github

Github Repo



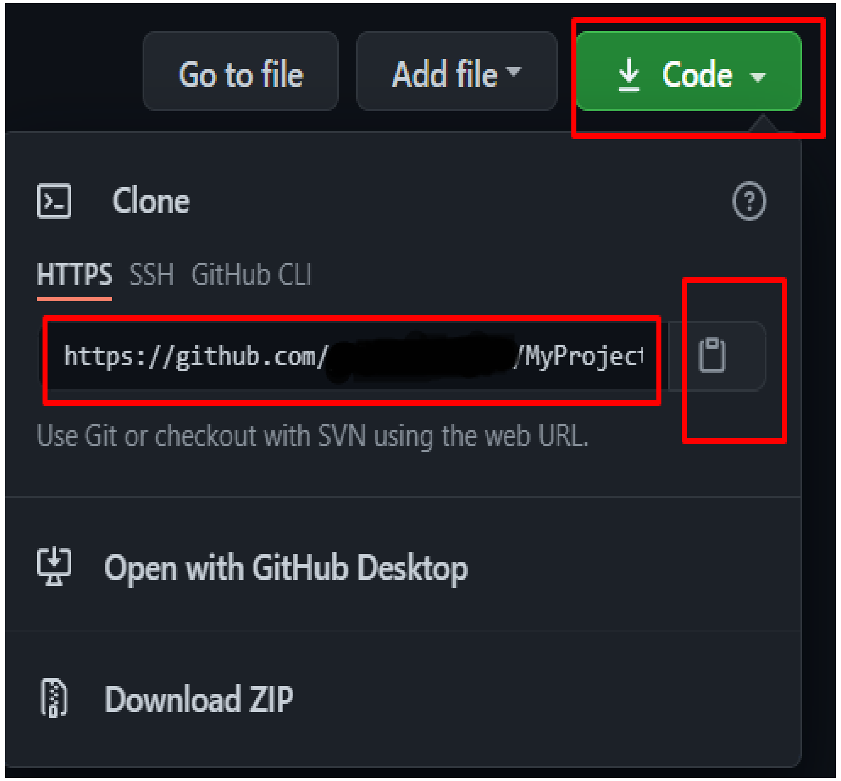
Cybertek/ MyProject

Cybertek-Initial commit 3df13f7 2 minutes ago 1 commit

src/test/java	Initial commit	2 minutes ago
.gitignore	Initial commit	2 minutes ago
pom.xml	Initial commit	2 minutes ago

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

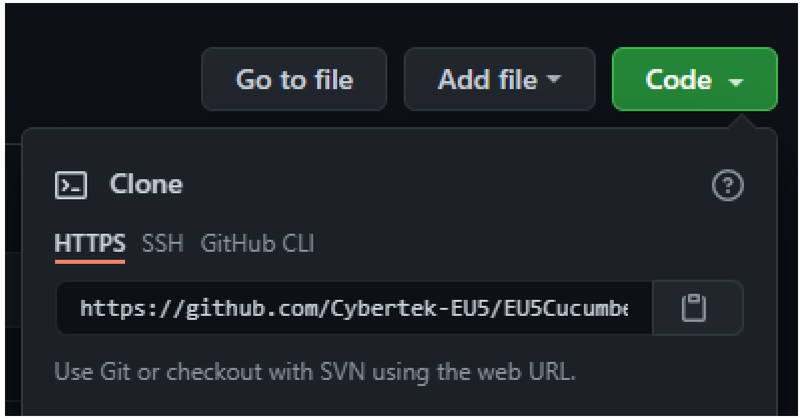
Click code
Copy the link to share with your team



```
https://github.com/[redacted]/MyProject
```

Use Git or checkout with SVN using the web URL.

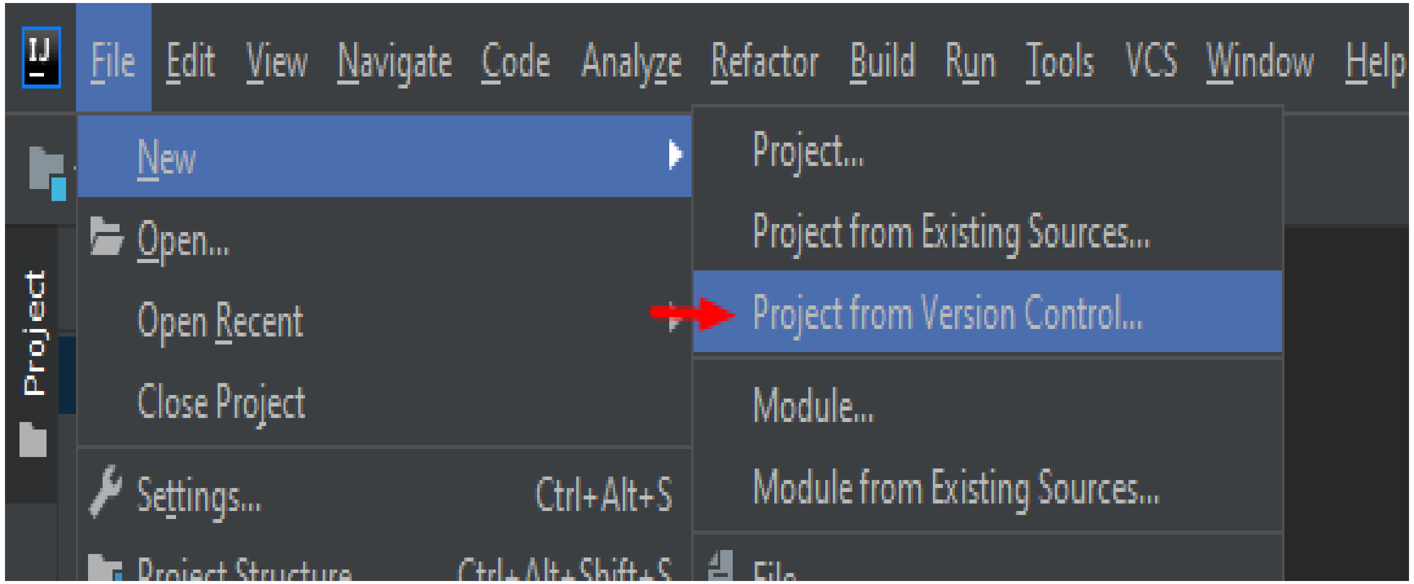
Cloning Project from Github

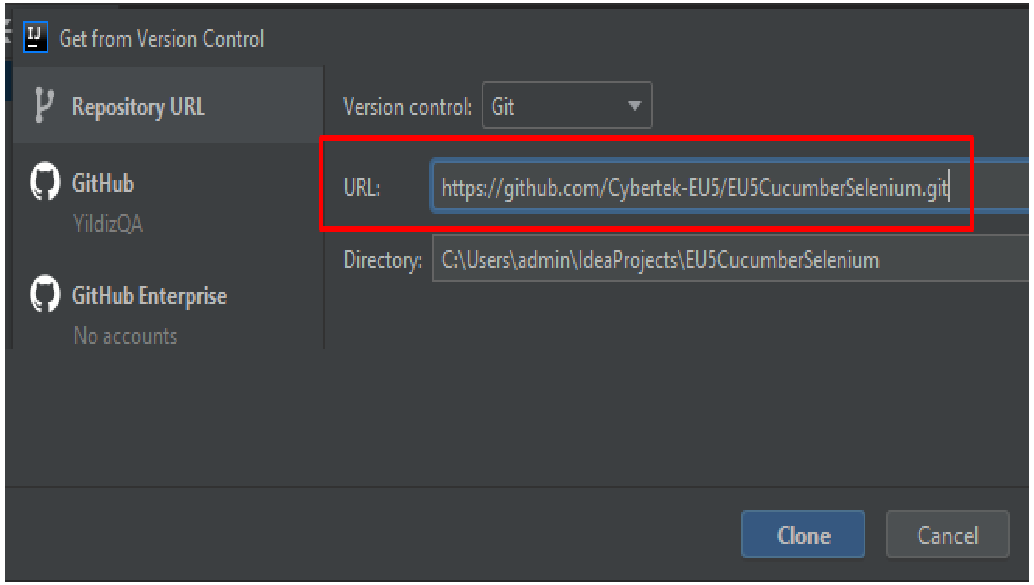


https://github.com/Cybertek-EU5/EU5Cucumbe

Use Git or checkout with SVN using the web URL.

Copy the link on Github
Intellij -> New Project from Version Control
Paste the link and CLONE





Version control: Git

URL: https://github.com/Cybertek-EU5/EU5CucumberSelenium.git

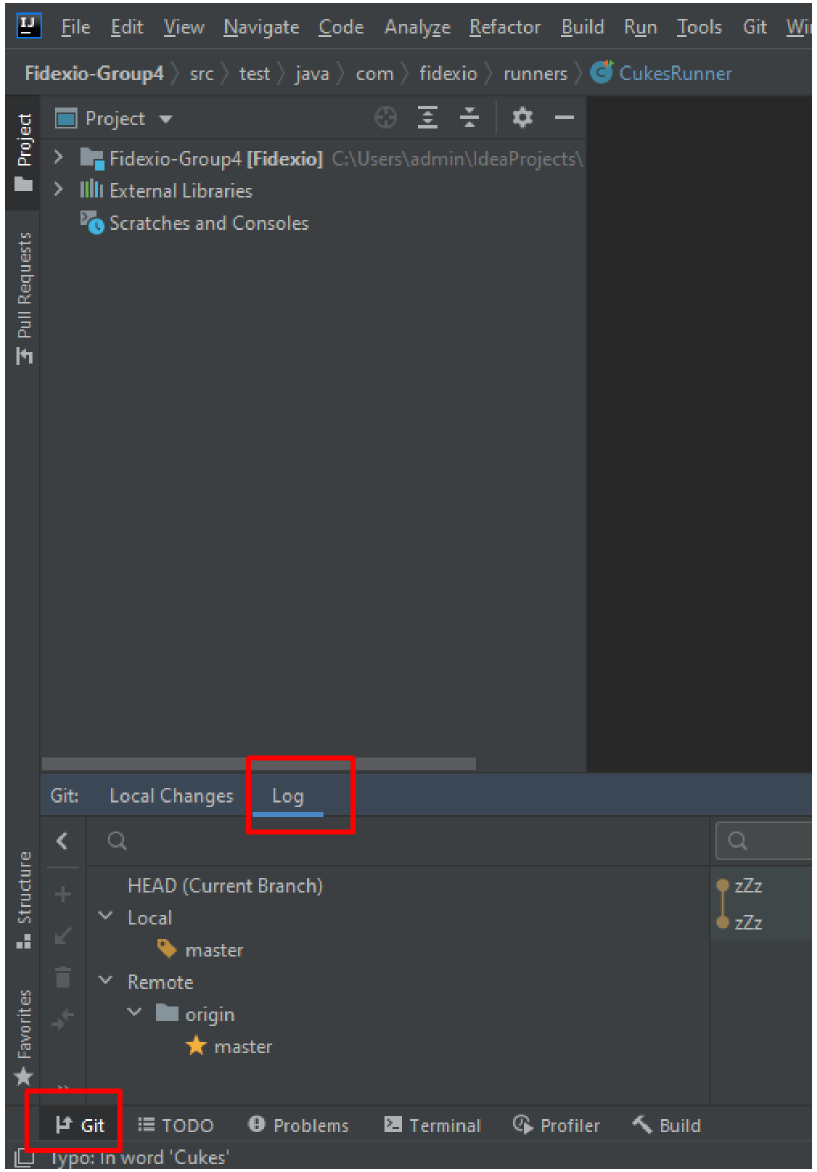
Directory: C:\Users\admin\IdeaProjects\EU5CucumberSelenium

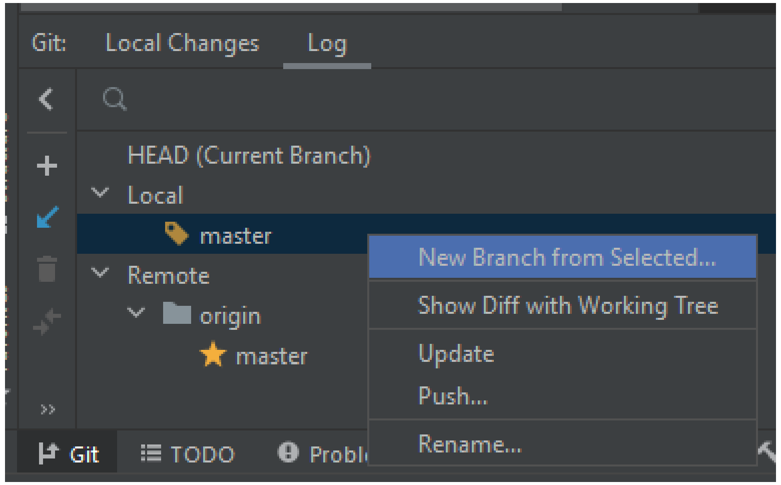
Creating own branch

DON'T WORK ON MASTER BRANCH !!!
ALWAYS CREATE YOUR OWN

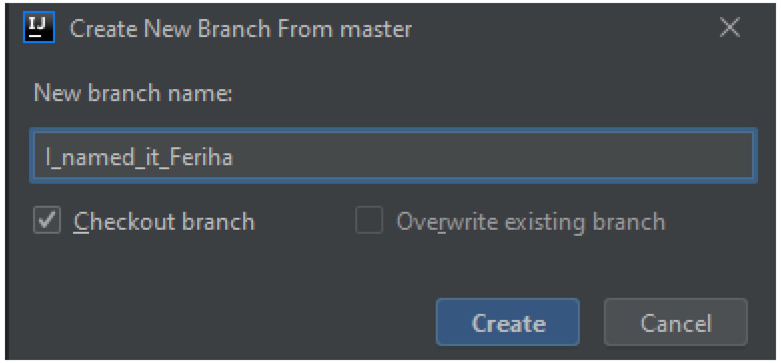
To create your own branch, go to Git
And select Log tab

You will see remote and local branches


File Edit View Navigate Code Analyze Refactor Build Run Tools Git Wi
Fidexio-Group4 〉 src 〉 test 〉 java 〉 com 〉 fidexio 〉 runners 〉 CukesRunner
Project
Fidexio-Group4 [Fidexio] C:\Users\admin\IdeaProjects\
External Libraries
Scratches and Consoles
Project
Pull Requests
Structure
Favorites
Git: Local Changes Log
HEAD (Current Branch)
Local
master
Remote
origin
master
zZz
zZz
Git TODO Problems Terminal Profiler Build
Typo: In word 'Cukes'



Right click on local master and create New

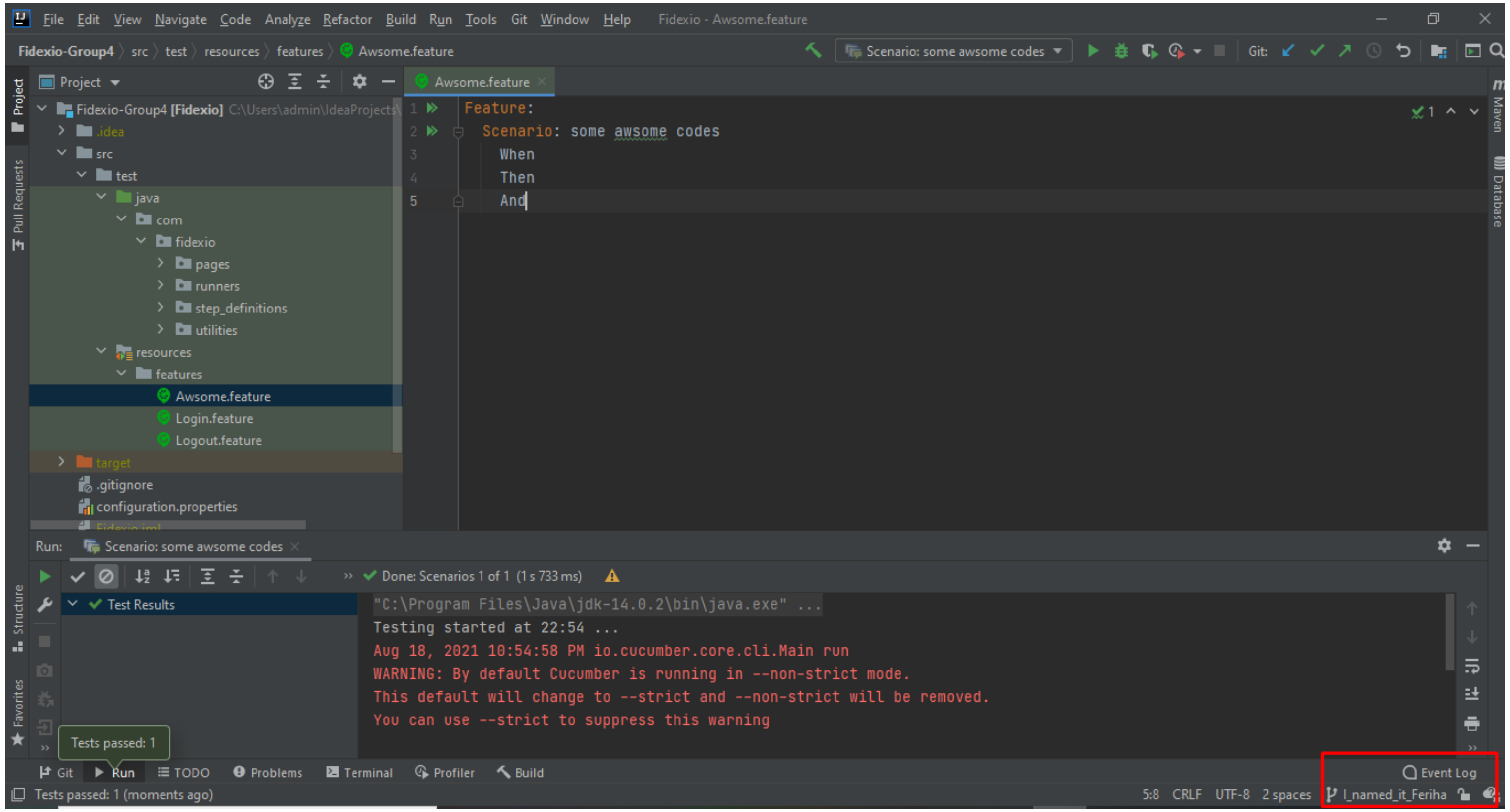

Create New Branch From master

New branch name: I_named_it_Feriha

☑ Checkout branch □ Overwrite existing branch

New Branch Created ☺

Creating own branch



```
Feature:
  Scenario: some awsome codes
    When
    Then
    And
```

Done: Scenarios 1 of 1 (1 s 733 ms)

```
"C:\Program Files\Java\jdk-14.0.2\bin\java.exe" ...
Testing started at 22:54 ...
Aug 18, 2021 10:54:58 PM io.cucumber.core.cli.Main run
WARNING: By default Cucumber is running in --non-strict mode.
This default will change to --strict and --non-strict will be removed.
You can use --strict to suppress this warning
```

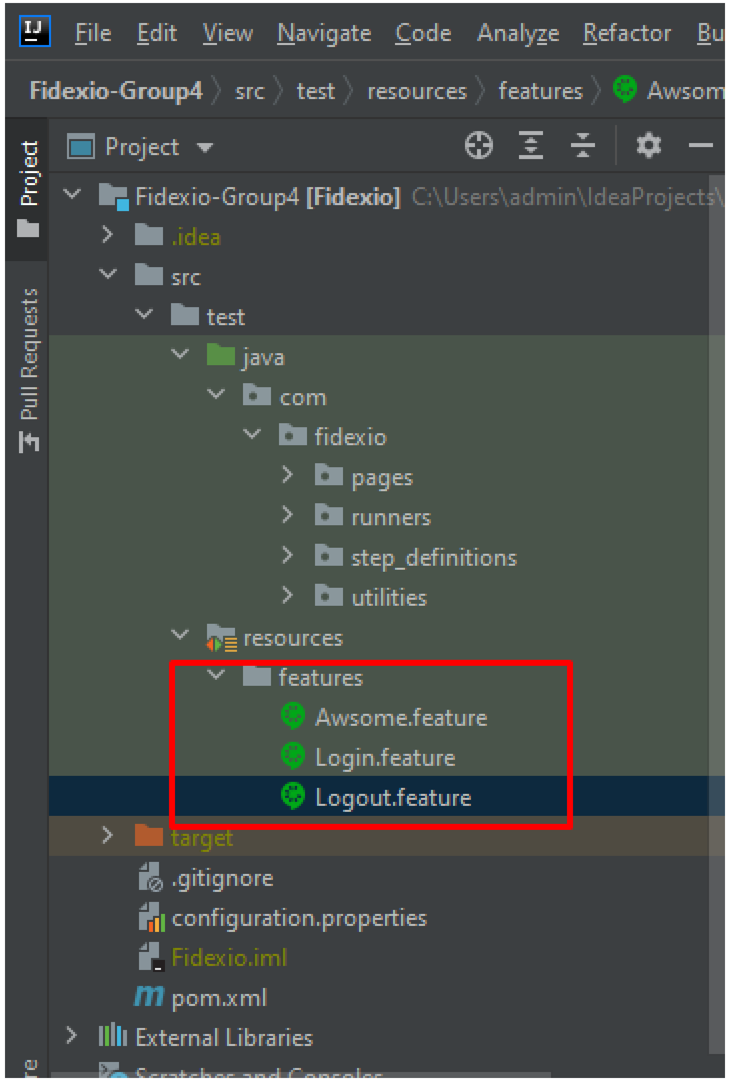
Tests passed: 1 (moments ago)

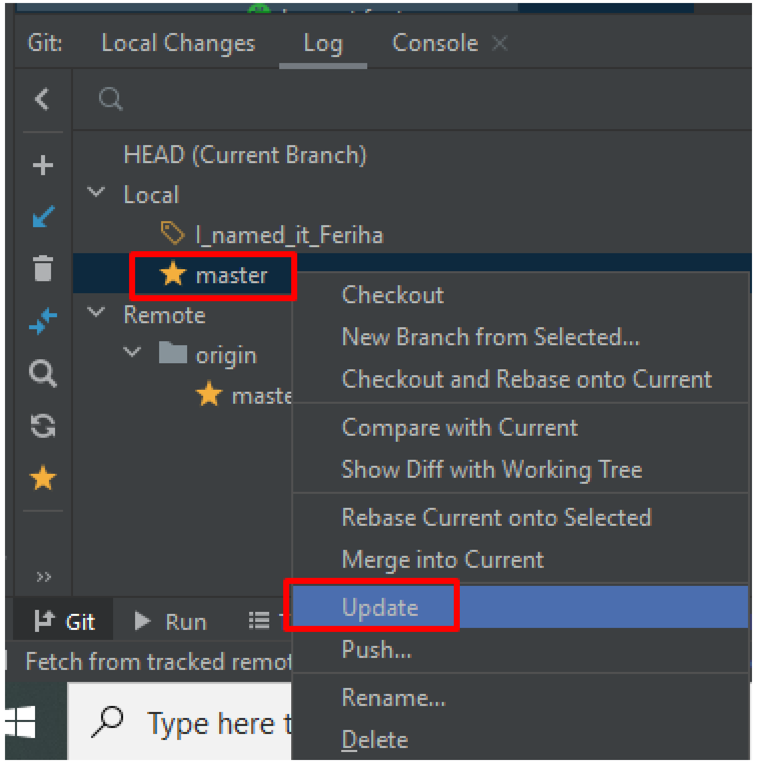
On the right bottom corner, we can see that we are now in our own branch

Collaboration

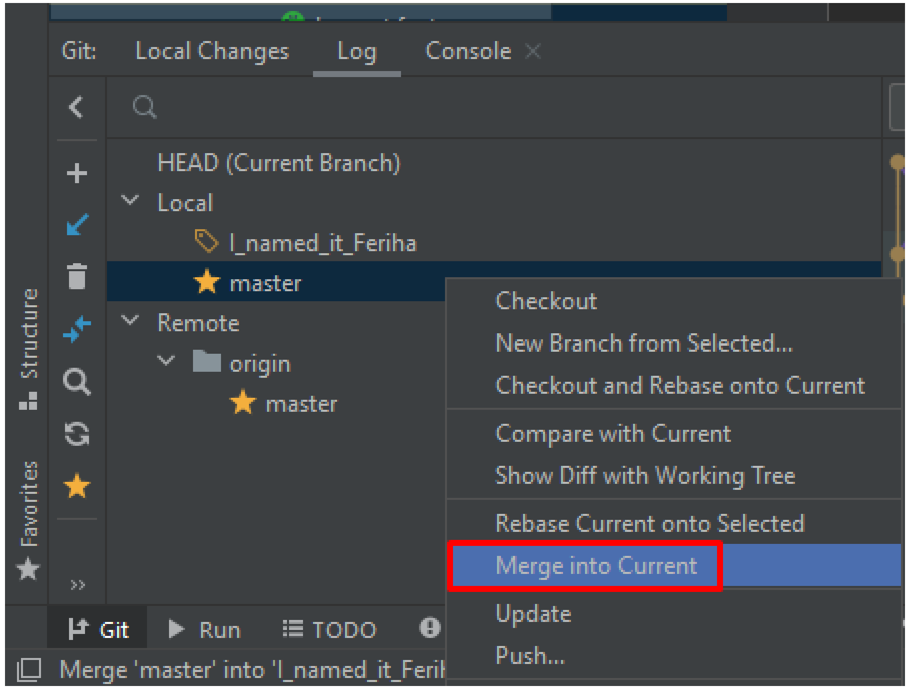
We started writing test cases but,
Why can’t I see my friends codes ???

Because we need to update the project.
1- Git -> Log screen, right click Local Master -> Update
2-





Fetch from tracked remot



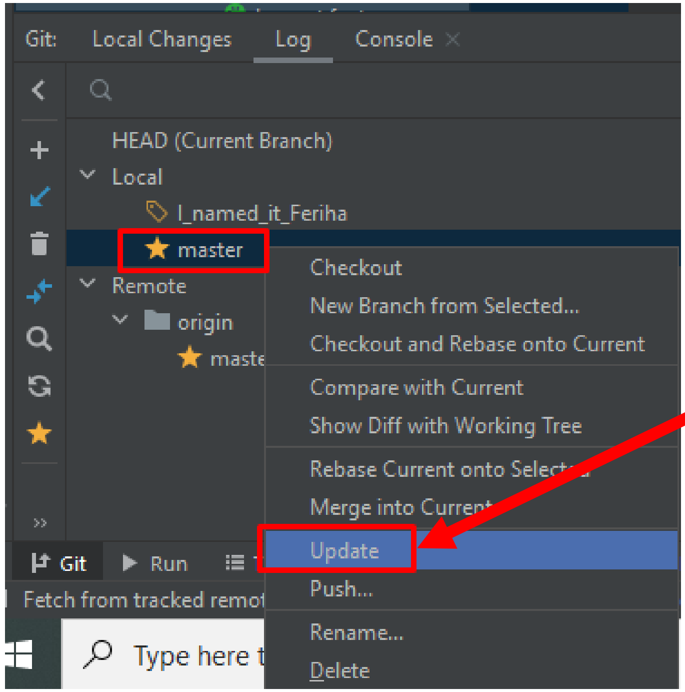
Merge 'master' into 'I_named_it_Ferih

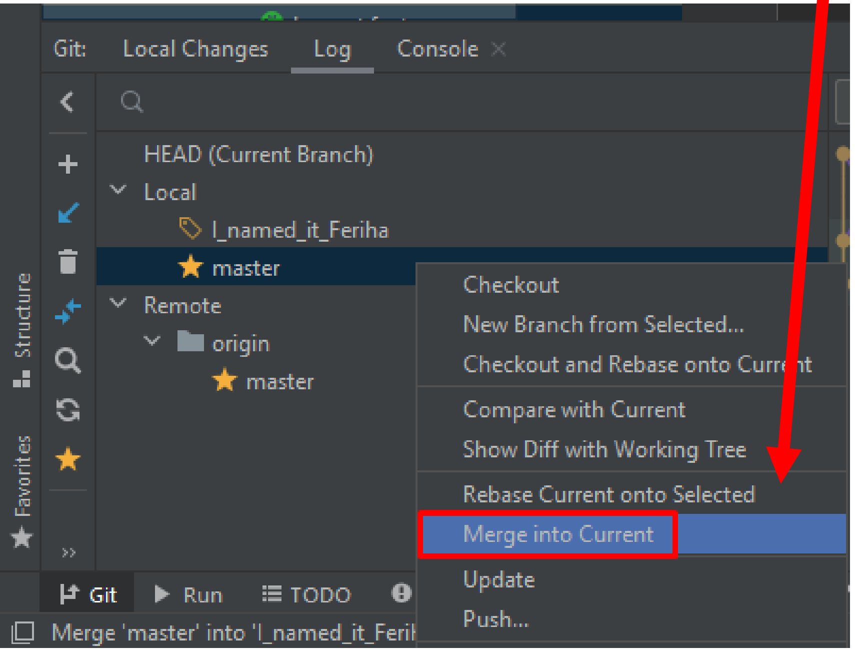
Collaboration

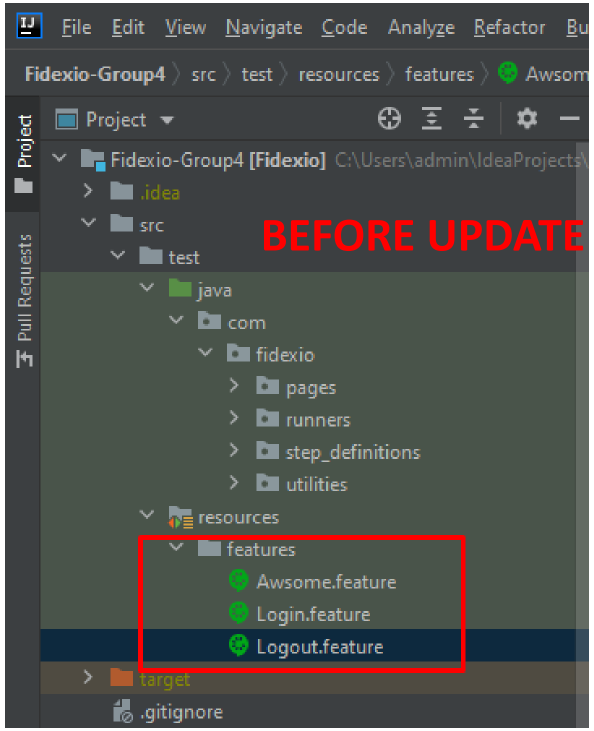
We started writing test cases but, Why can’t I see my friends new added codes ???

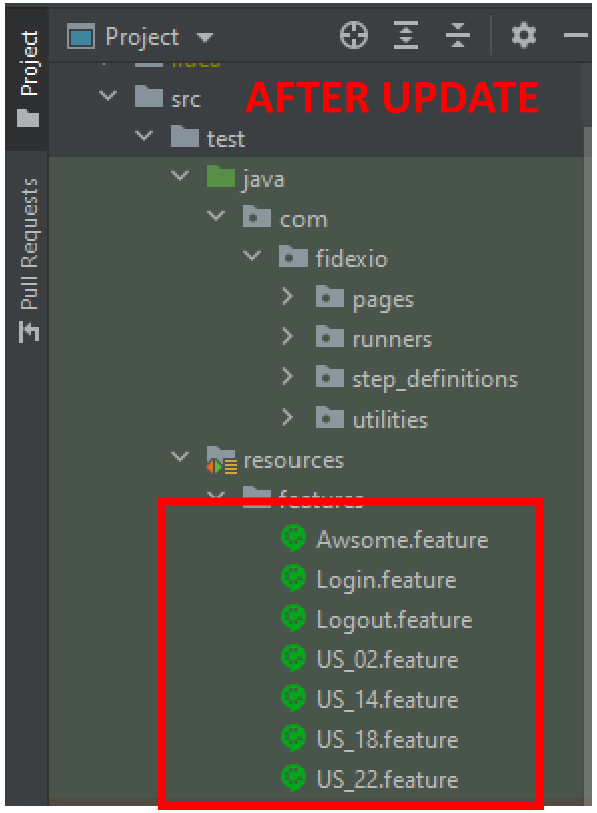
Because we need to update the project.
1- Git -> Log screen, right click Local Master -> Update
2- right click Local Master -> Merge into Current

Then we can see the new codes added by the colleagues




Git: Local Changes Log Console
HEAD (Current Branch)
Local
I_named_it_Feriha
master
Remote
origin
master
Checkout
New Branch from Selected...
Checkout and Rebase onto Current
Compare with Current
Show Diff with Working Tree
Rebase Current onto Selected
Merge into Current
Update
Push...
Structure
Favorites
Git Run TODO
Merge 'master' into 'I_named_it_Ferih





Collaboration

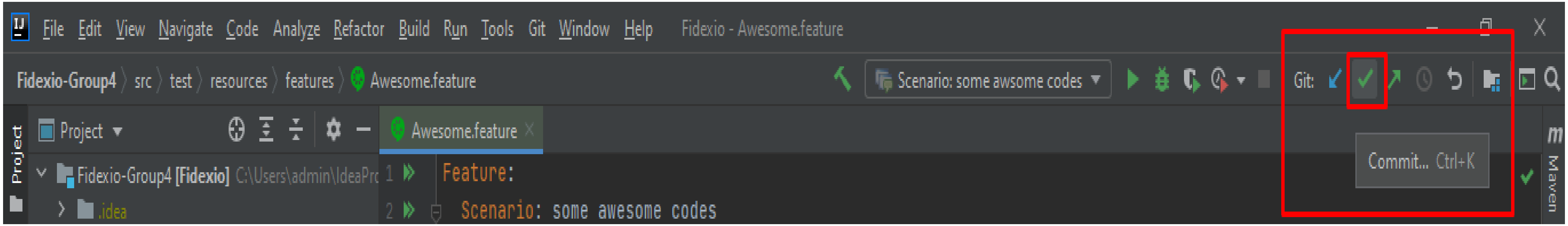
1- Commit

2- Push

3- Pull request

4- Merge

After finishing my test cases I will commit my codes



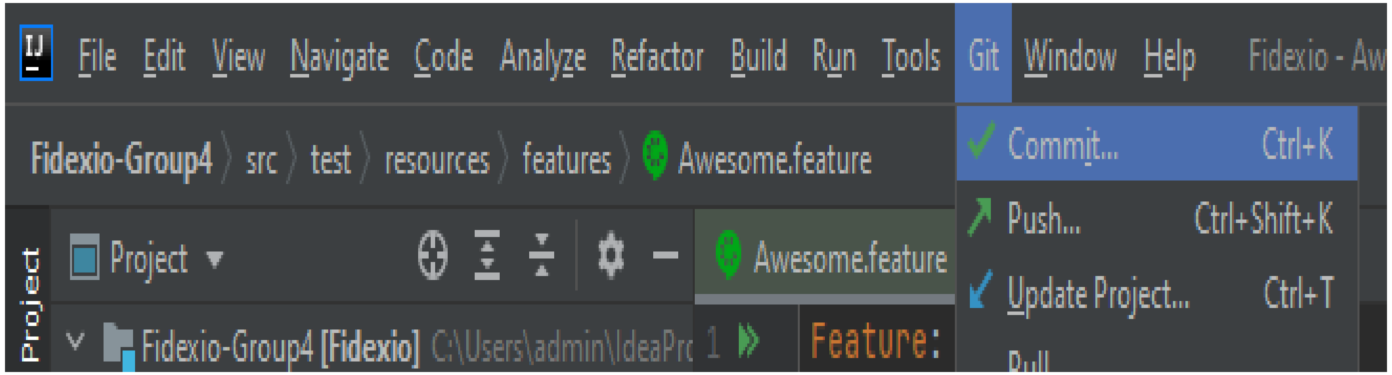
File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help Fidexio - Awesome.feature
Fidexio-Group4 src test resources features Awesome.feature
Scenario: some awsome codes
Git:
Commit... Ctrl+K
Project
Awesome.feature
Fidexio-Group4 [Fidexio] C:\Users\admin\IdeaPr
.idea
Maven

```
1 Feature:
2   Scenario: some awesome codes
```

Click Commit button

or

Git -> Commit



File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help Fidexio - Aw
Fidexio-Group4 src test resources features Awesome.feature
Commit... Ctrl+K
Push... Ctrl+Shift+K
Update Project... Ctrl+T
Pull
Project
Awesome.feature
Fidexio-Group4 [Fidexio] C:\Users\admin\IdeaPr

```
1 Feature:
```

Collaboration

1- Commit

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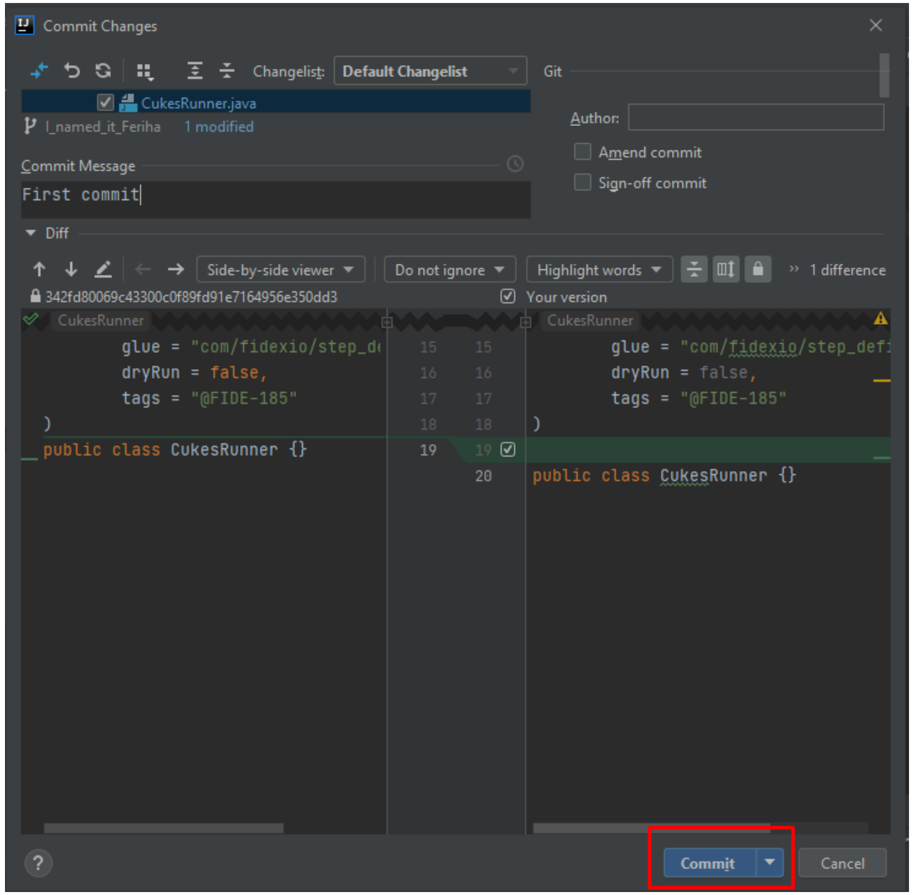


Commit Changes

Changelist: Default Changelist

☑ CukesRunner.java

I_named_it_Feriha 1 modified

Commit Message

```
First commit
```

Git

Author:

□ Amend commit

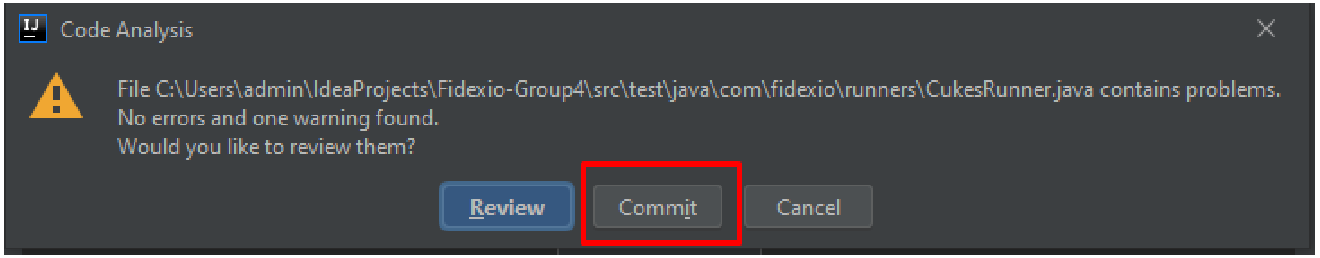
□ Sign-off commit

Diff

342fd80069c43300c0f89fd91e7164956e350dd3

☑ Your version

```
CukesRunner                                  CukesRunner
        glue = "com/fidexio/step_de               glue = "com/fidexio/step_defi
        dryRun = false,                           dryRun = false,
        tags = "@FIDE-185"                        tags = "@FIDE-185"
)                                          )
public class CukesRunner {}
                                           public class CukesRunner {}
```

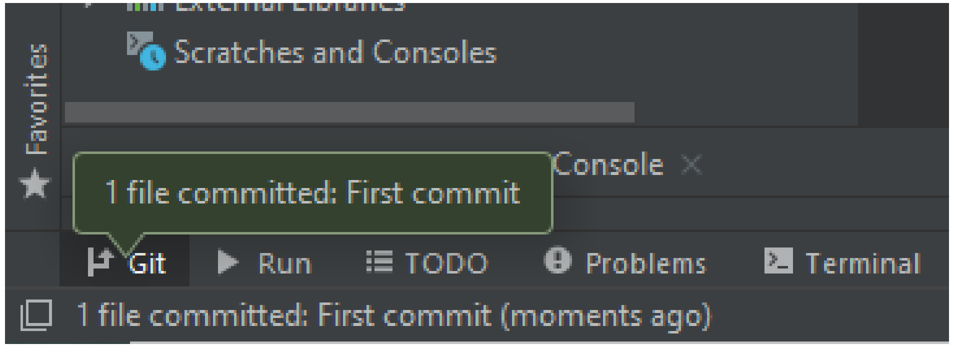


Code Analysis

File C:\Users\admin\IdeaProjects\Fidexio-Group4\src\test\java\com\fidexio\runners\CukesRunner.java contains problems.
No errors and one warning found.
Would you like to review them?

Code Analysis says: No errors and some warnings

If there is no error, we can Commit



1 file committed: First commit

1 file committed: First commit (moments ago)

Collaboration

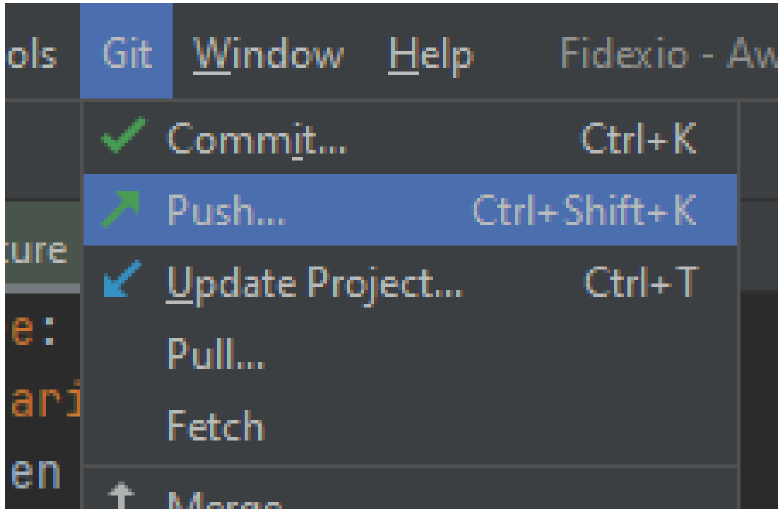
1- Commit

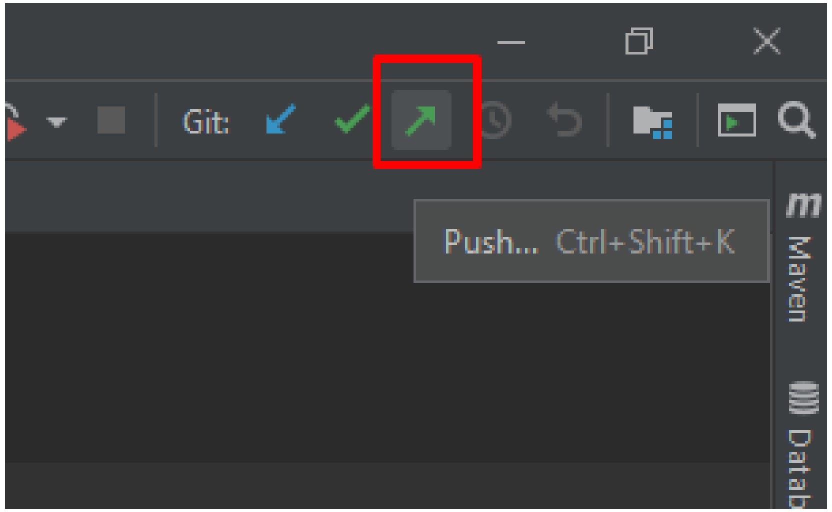
2- Push

3- Pull request

4- Merge

After commit, I will push my codes to GitHub Repo





Push

Collaboration

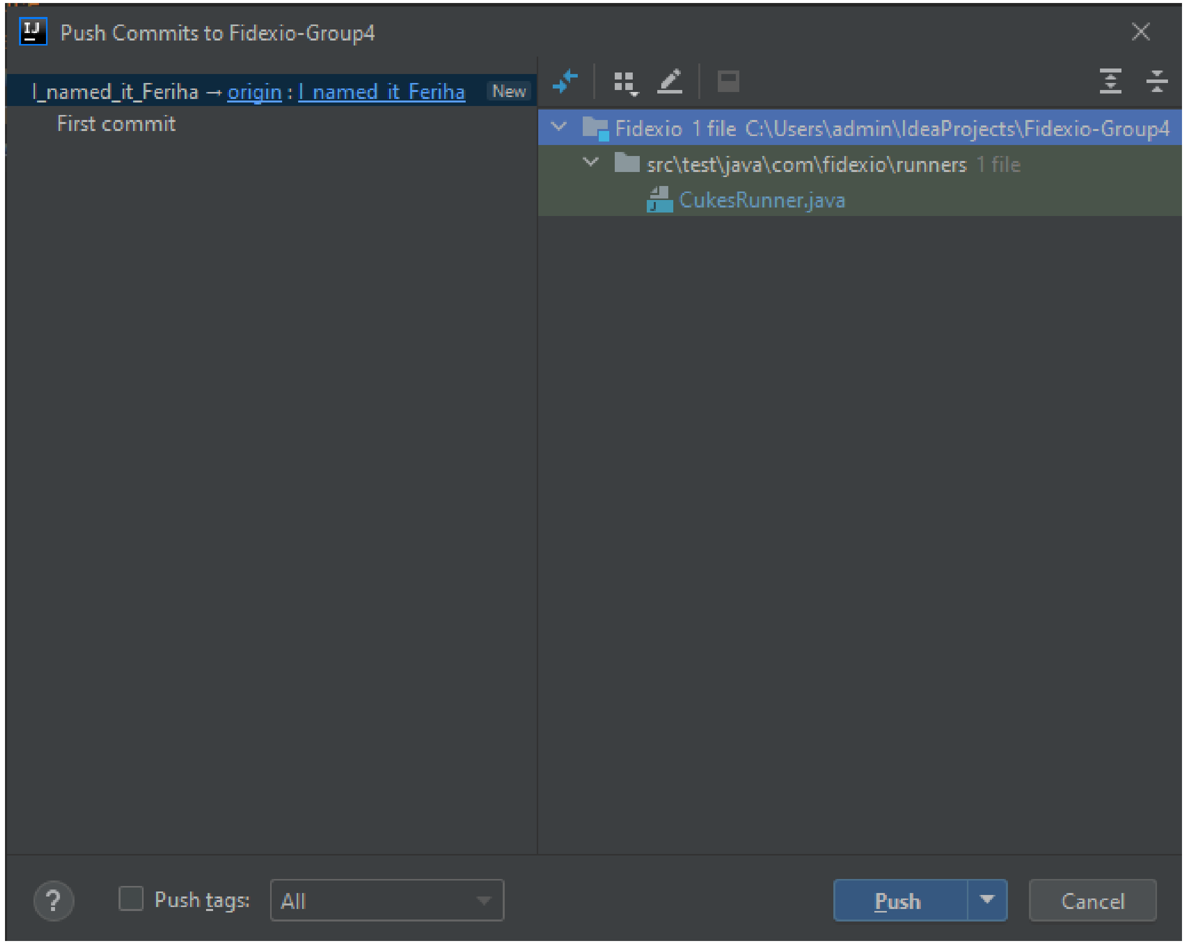
1- Commit

2- Push

3- Pull request

4- Merge

After commit, I will push my codes to GitHub Repo



Push Commits to Fidexio-Group4

I_named_it_Feriha → origin : I_named_it_Feriha New

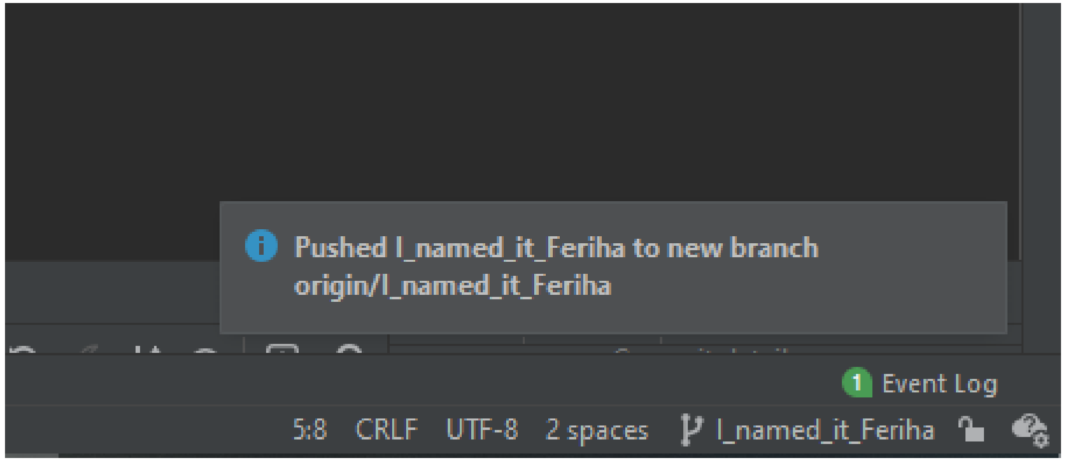
First commit

Fidexio 1 file C:\Users\admin\IdeaProjects\Fidexio-Group4

src\test\java\com\fidexio\runners 1 file

CukesRunner.java

□ Push tags: All



Pushed I_named_it_Feriha to new branch origin/I_named_it_Feriha

Collaboration

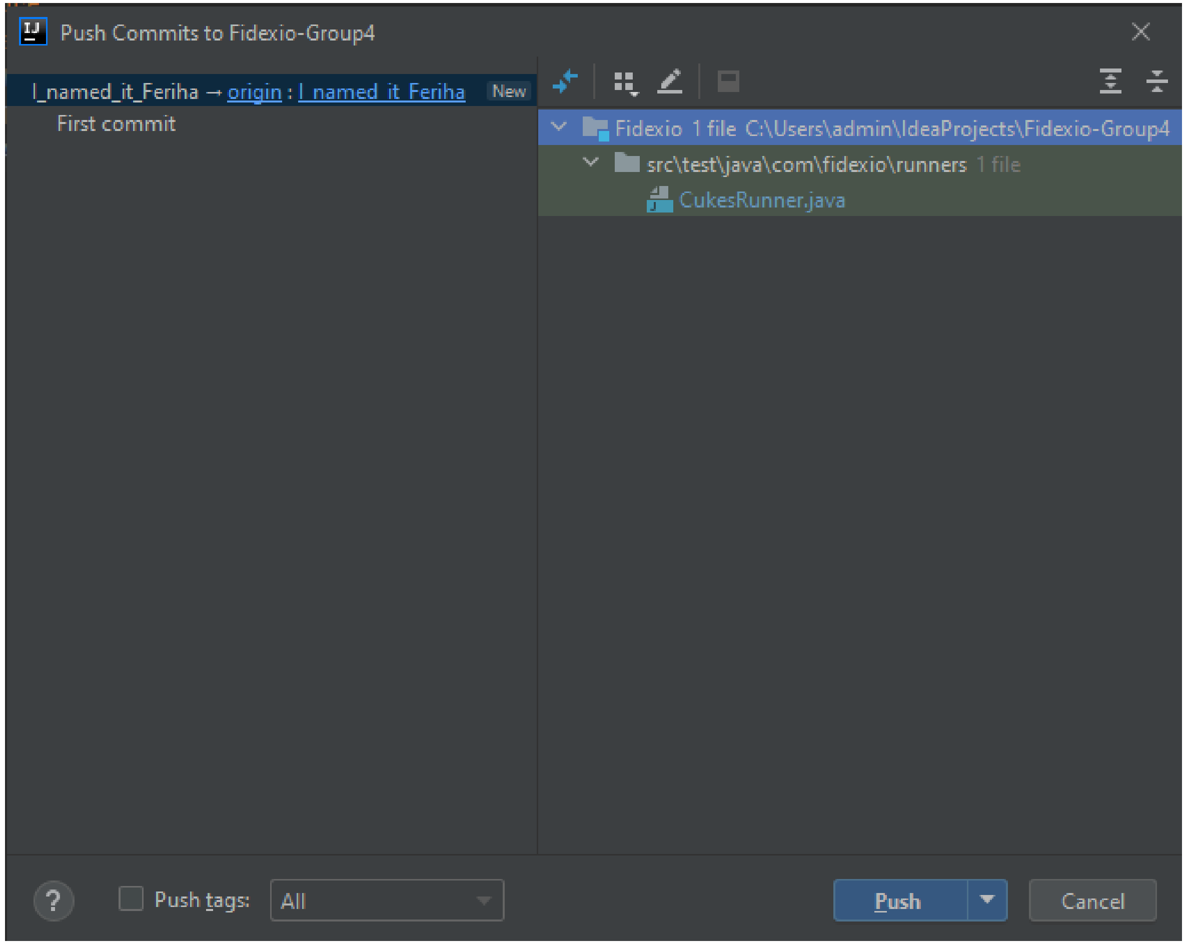
1- Commit

2- Push

3- Pull request

4- Merge

After commit, I will push my codes to GitHub Repo



Push Commits to Fidexio-Group4

l_named_it_Feriha → origin : l_named_it_Feriha New

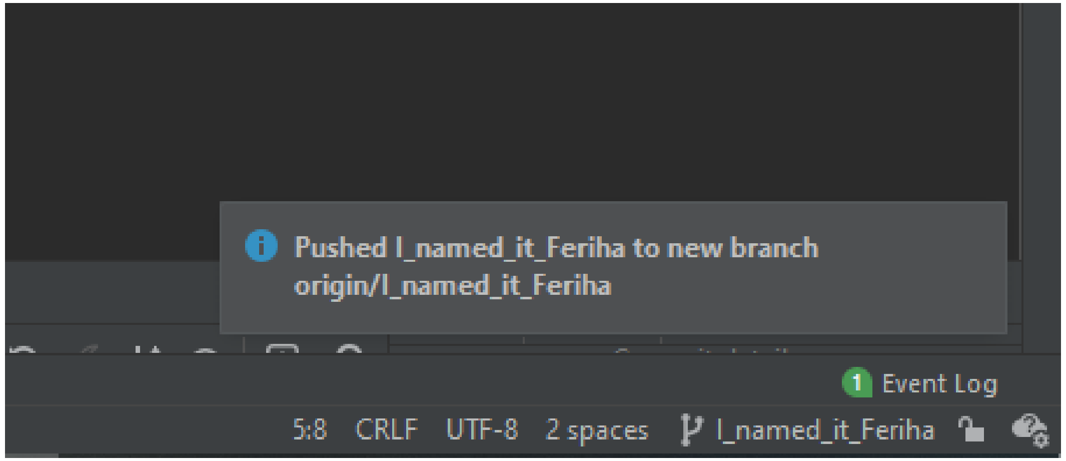
First commit

Fidexio 1 file C:\Users\admin\IdeaProjects\Fidexio-Group4

src\test\java\com\fidexio\runners 1 file

CukesRunner.java

□ Push tags: All



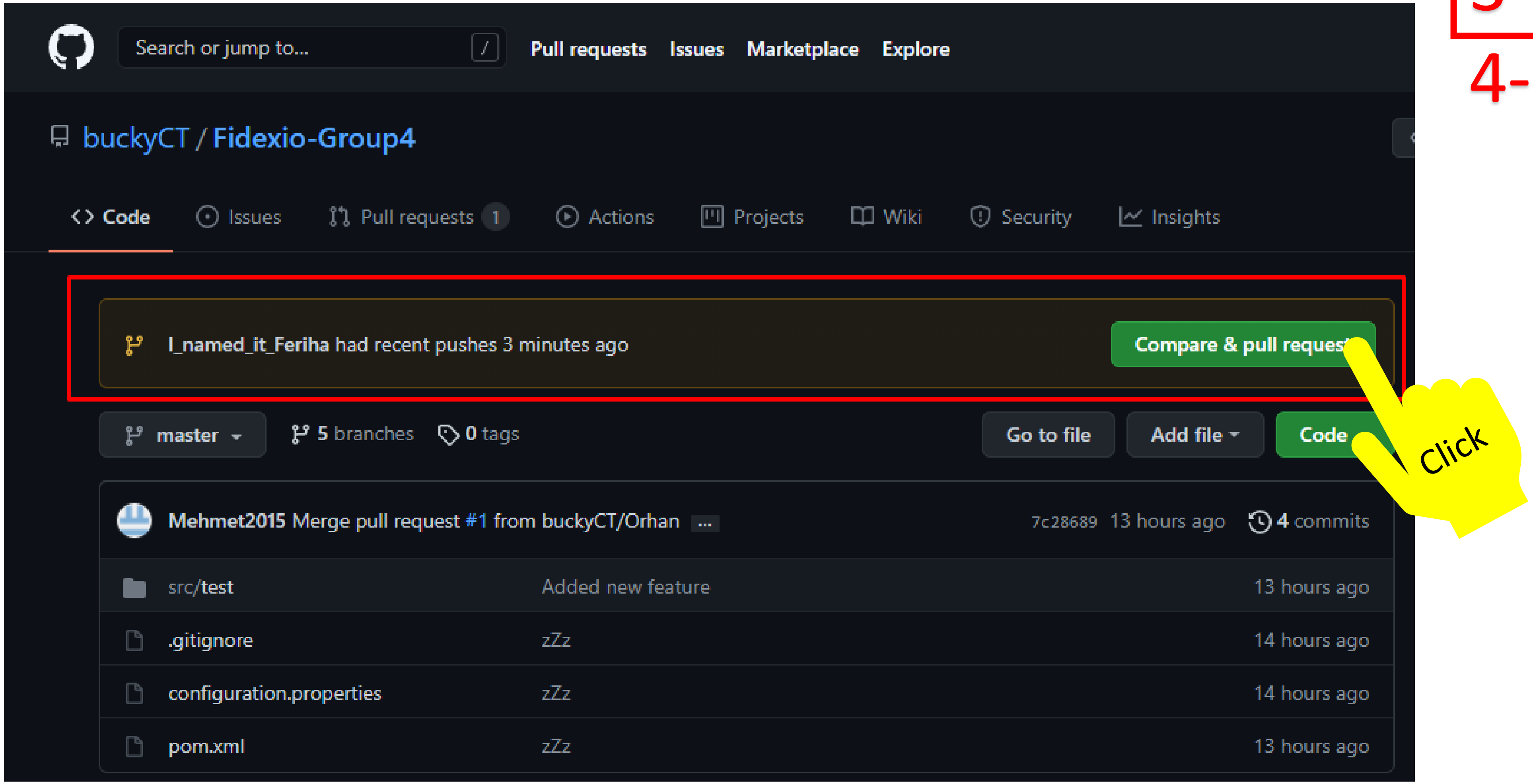
Pushed l_named_it_Feriha to new branch origin/l_named_it_Feriha

After Push, Intellij part is completed; lets go to GitHub now

Collaboration

1- Commit
2- Push
3- Pull request
4- Merge

When I open GitHub, it shows me that I pushed some new commits to my branch.
I will compare and If there is no conflict, I will open a pull request



I_named_it_Feriha had recent pushes 3 minutes ago

Mehmet2015 Merge pull request #1 from buckyCT/Orhan ... 7c28689 13 hours ago 4 commits

src/test	Added new feature	13 hours ago
.gitignore	zZz	14 hours ago
configuration.properties	zZz	14 hours ago
pom.xml	zZz	13 hours ago

Collaboration

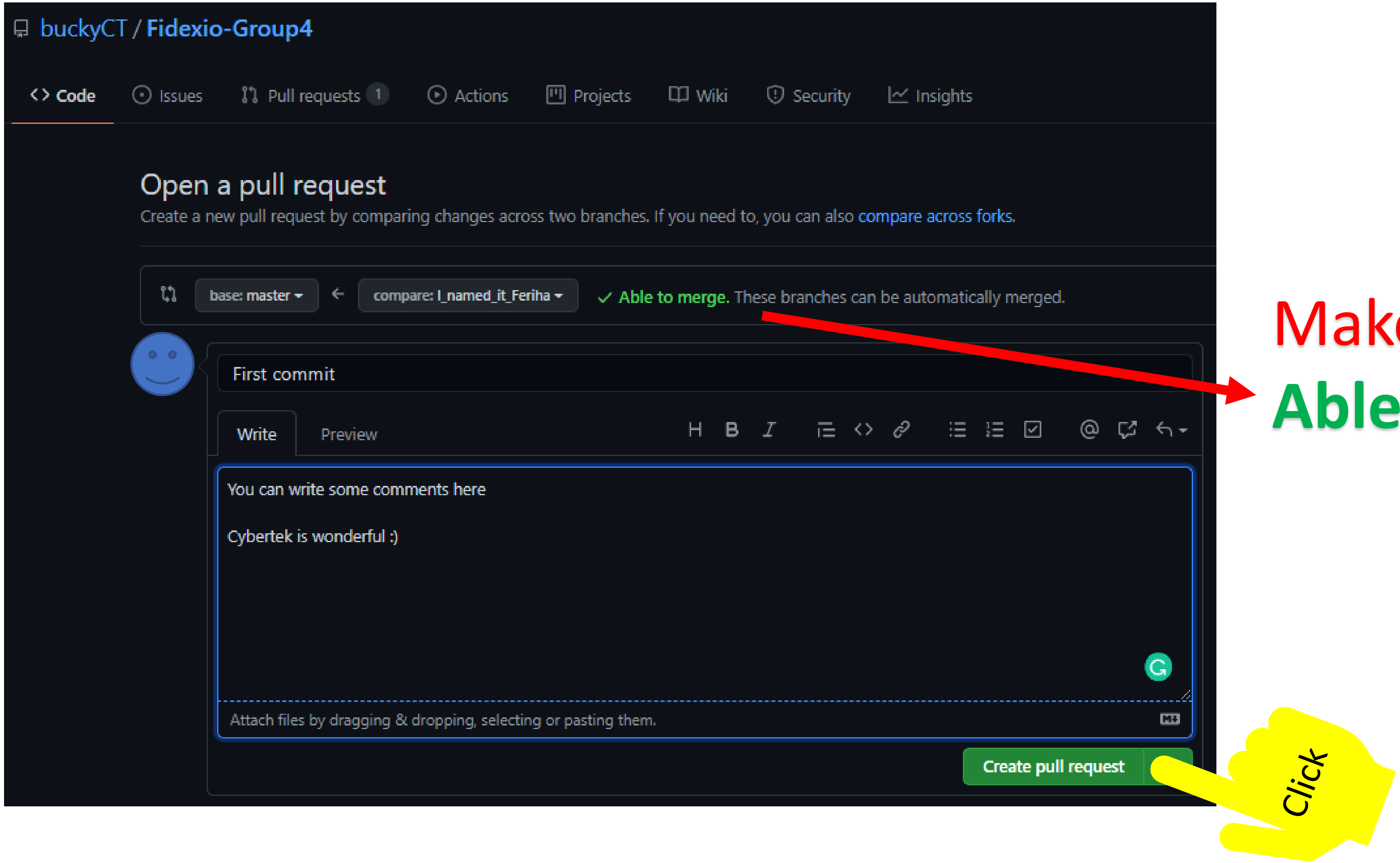
1- Commit

2- Push

3- Pull request

4- Merge

When I open GitHub, it shows me that I pushed some new commits to my branch.
I will compare and If there is no conflict, I will open a pull request



Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.

base: master ← compare: I_named_it_Feriha ✓ Able to merge. These branches can be automatically merged.

First commit

You can write some comments here

Cybertek is wonderful :)

Attach files by dragging & dropping, selecting or pasting them.

Make sure that here it says

Able to merge

Collaboration

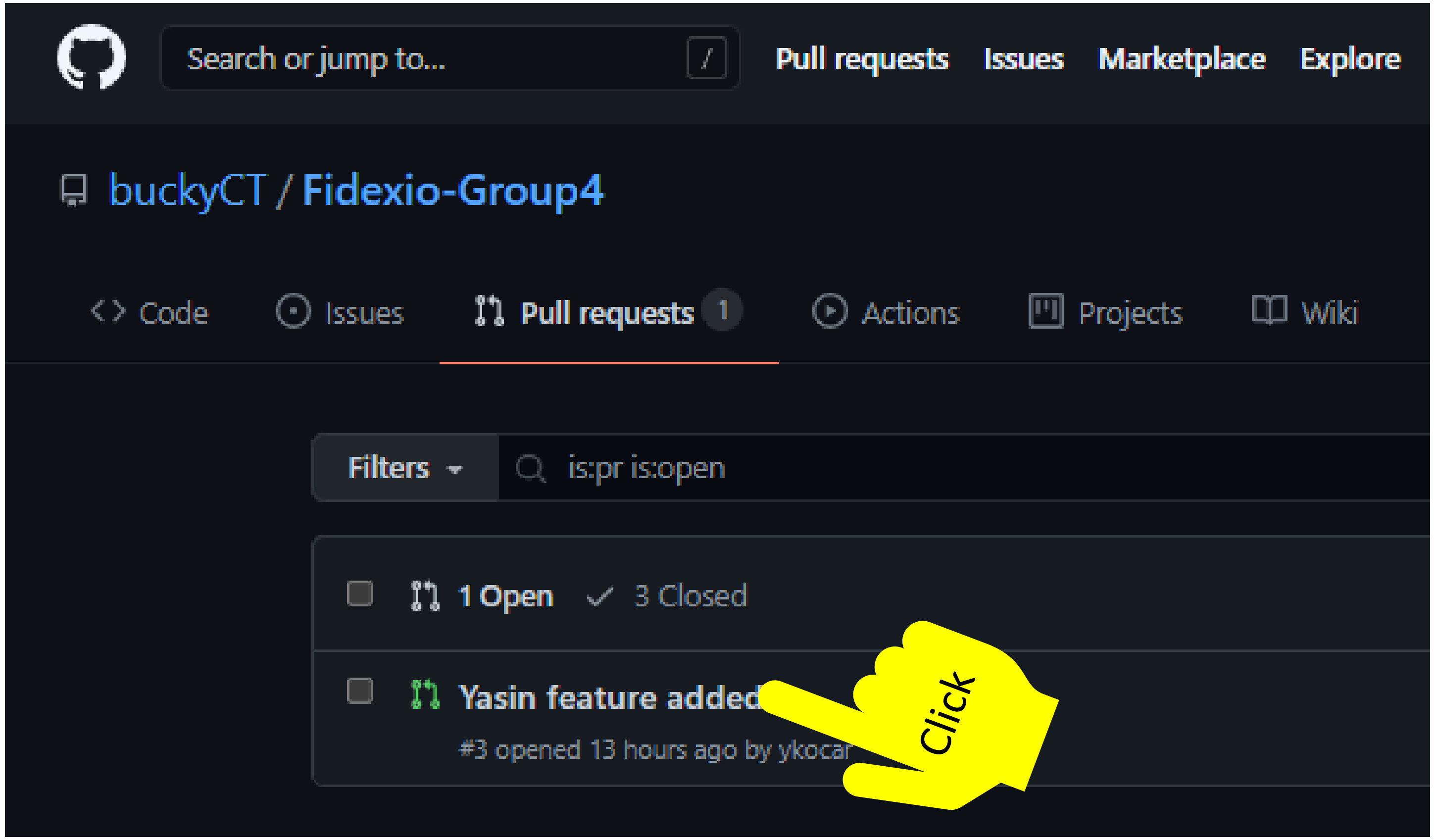
1- Commit

2- Push

3- Pull request

4- Merge

I will review the pull request and accept to Merge



buckyCT / Fidexio-Group4

is:pr is:open

1 Open ✓ 3 Closed

Yasin feature added

#3 opened 13 hours ago by ykocar

Click and Open the pull request

Collaboration

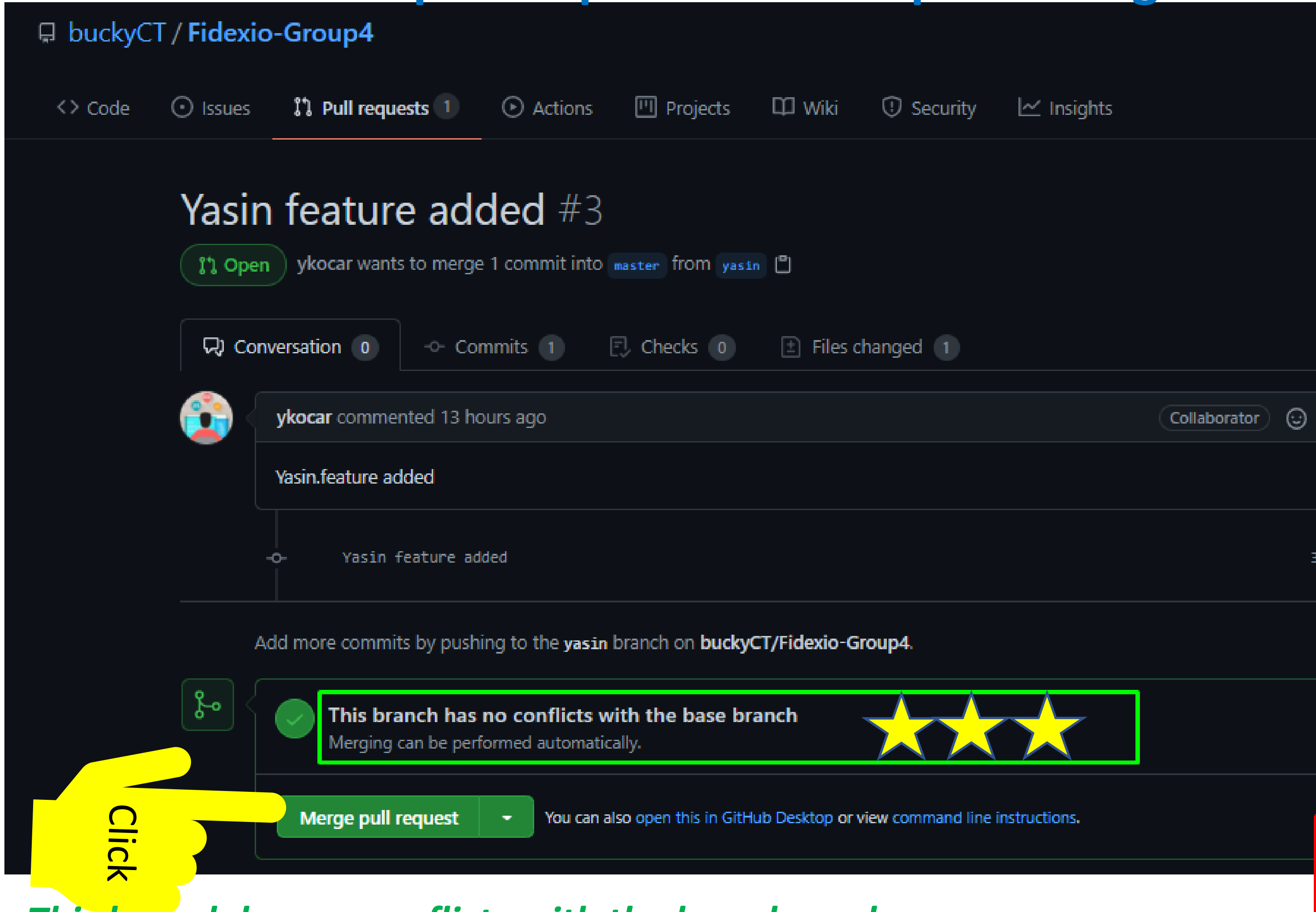
1- Commit

2- Push

3- Pull request

4- Merge

I will review the pull request and accept to Merge



buckyCT / Fidexio-Group4

Yasin feature added #3

Open ykocar wants to merge 1 commit into `master` from `yasin`

ykocar commented 13 hours ago Collaborator

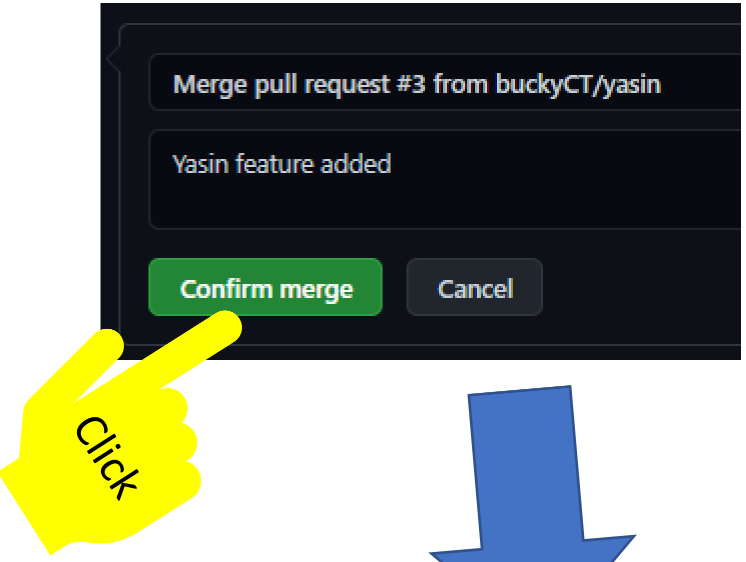
Yasin.feature added

```
Yasin feature added                                                    3d7c54d
```

Add more commits by pushing to the **yasin** branch on **buckyCT/Fidexio-Group4**.

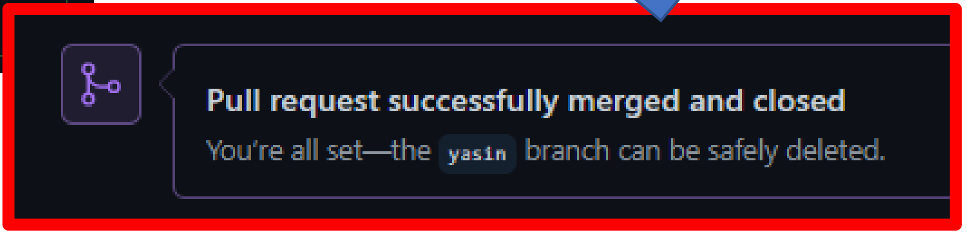
This branch has no conflicts with the base branch
Merging can be performed automatically.

You can also open this in GitHub Desktop or view command line instructions.



Merge pull request #3 from buckyCT/yasin

Yasin feature added



Pull request successfully merged and closed

You're all set—the `yasin` branch can be safely deleted.

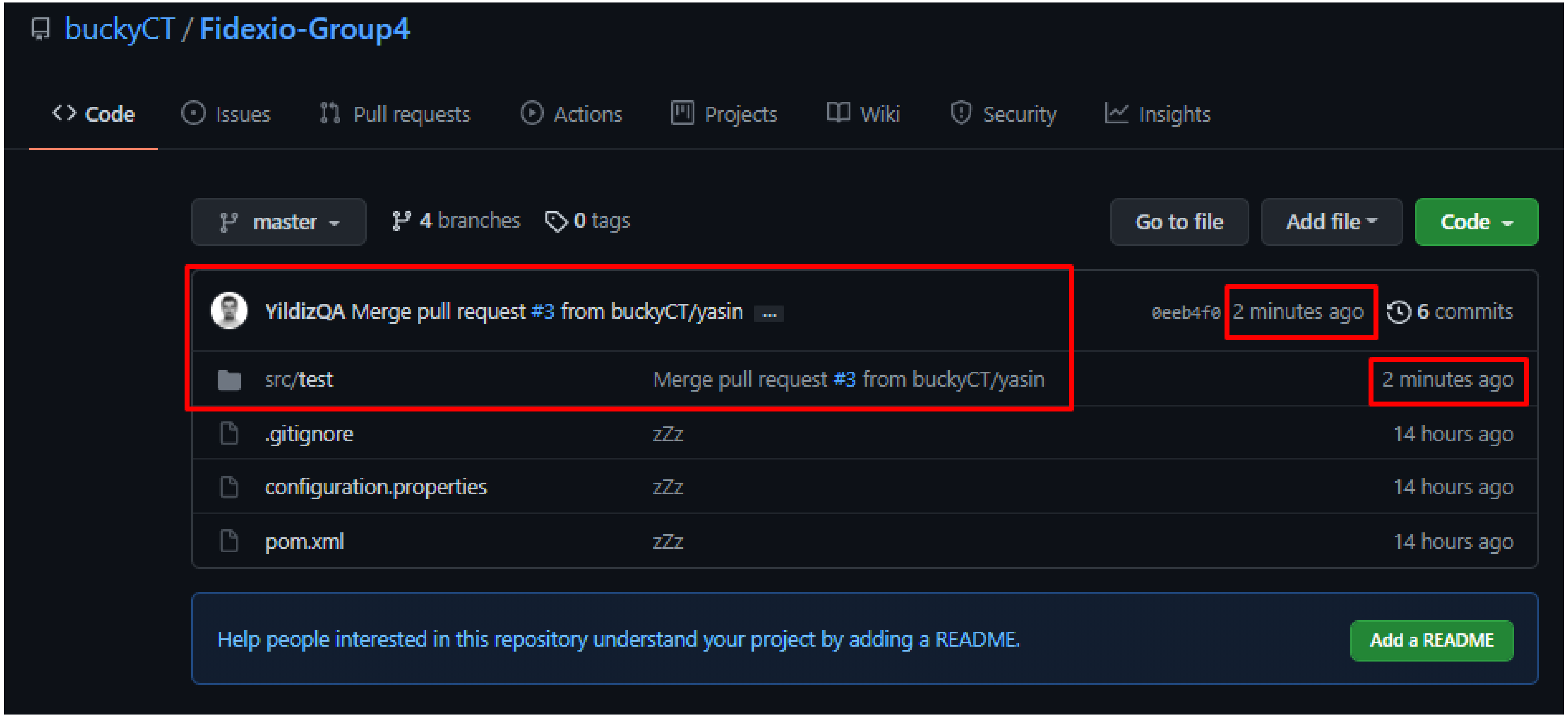
This branch has no conflicts with the base branch
Merging can be performed automatically

Collaboration

Now we have updated our master branch

Everyone will go to their local master

<u>Update Local Master</u> and <u>Merge into Current Branch</u> again



YildizQA Merge pull request #3 from buckyCT/yasin ...	0eeb4f0 2 minutes ago	6 commits
src/test	Merge pull request #3 from buckyCT/yasin	2 minutes ago
.gitignore	zZz	14 hours ago
configuration.properties	zZz	14 hours ago
pom.xml	zZz	14 hours ago

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