

En grupos de 2-3 personas crear un repositorio en GITHUB, crear un proyecto en Java o equivalente y crear varias ramas donde se hagan varias modificaciones.

Se valorará positivamente que se hayan aplicado los diferentes conceptos explicados en clase (ramas, merge, conflictos, etc...), todos los miembros del grupo tienen que hacer mínimo una aportación.

Como mínimo ha de tener:

- 2 ramas secundarias y una rama main.
- Varios commits en cada rama.
- Una rama tiene que hacer un merge sin problemas y otra rama hacer un merge con conflictos y resolver los conflictos.

Documentar todos estos cambios en un pdf

EL REPOSITORIO TIENE QUE SER PÚBLICO PARA QUE LO PUEDA CORREGIR!

Colgad vuestro link del repositorio.

1- Crear un repositorio en Github:

Create a new repository

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

Required fields are marked with an asterisk ().*



Owner * Repository name *

 ABP18 /

✔ Pregunta is available.

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

Description (optional)

- ☒  **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:

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

Add .gitignore

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)


Choose a license

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

 You are creating a public repository in your personal account.

Create repository


2- Una vez creado el repositorio hay que crear un main con el proyecto que quieras hacer, en nuestro caso java.


 **BetaTest** Private

Unwatch 1

Fork 0

Star 0

**Set up GitHub Copilot**
Use GitHub's AI pair programmer to autocomplete suggestions as you code.
[Get started with GitHub Copilot](#)

**Add collaborators to this repository**
Search for people using their GitHub username or email address.
[Invite collaborators](#)

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

[Set up in Desktop](#) or [HTTPS](#) [SSH](#)

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 "# BetaTest" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/ABP18/BetaTest.git
git push -u origin main
```

...or push an existing repository from the command line


```
git remote add origin https://github.com/ABP18/BetaTest.git
git branch -M main
git push -u origin main
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

[Import code](#)

Al subir un archivo, se creará automáticamente la rama main:

 **BetaTest** Private


Unwatch 1


Fork 0

Star 0

main 1 branch 0 tags

Go to file Add file <> Code

 **ABP18 paco** 082829b now 1 commit

 John-Cena.jpg paco now

Add a README with an overview of your project.

Add a README

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

3- Para crear una rama, tenemos que clicar en main y seleccionar el apartado View all branches, que nos llevará al apartado principal.

main

Go to file

Add file

<> Code

About



Switch branches/tags



RamaBiau

Branches

Tags



View all branches

13 minutes ago 1

13 minutes ago

Add a README

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

⚠️ GitHub users are [now required](#) to enable two-factor authentication as an additional security measure. Your activity on GitHub includes you in this requirement. You will need to enable two-factor authentication on your account before October 12, 2023, or be restricted from account actions.

Enable 2FA



Search branches...

Overview

Yours

Active

Stale

All branches

New branch

Default branch

main Updated 22 minutes ago by ABP18

Default



Create a branch



New branch name

RamaBiau



Source

main

Cancel

Create new branch

Q Search branches...

Overview

Yours

Active

Stale

All branches


New branch

Default branch

main

Updated 39 minutes ago by ABP18

Default



Your main branch isn't protected

Protect this branch from force pushing or deletion, or require status checks before merging. [Learn more](#)

Dismiss

Protect this branch

Your branches

Rama8iau

Updated 39 minutes ago by ABP18

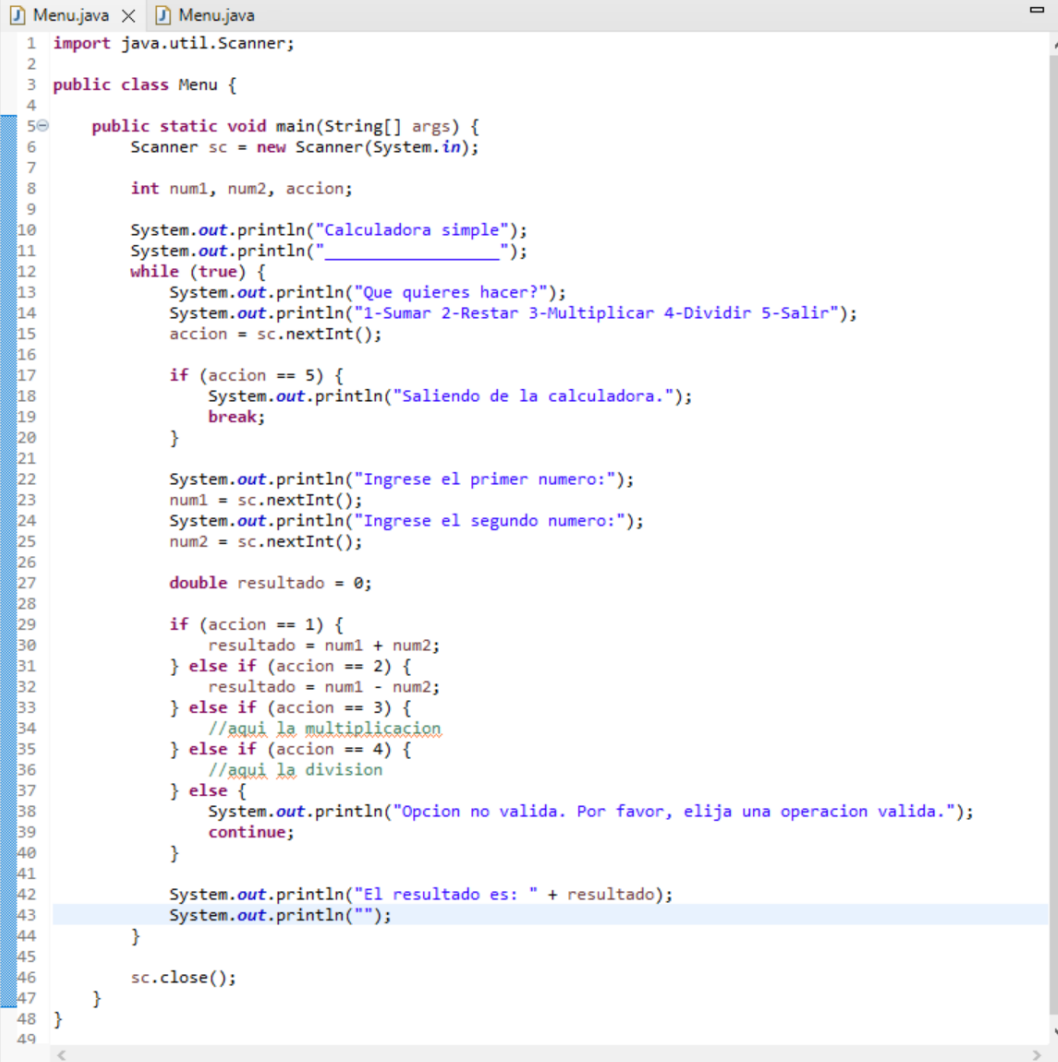
CALCULADORA SIMPLE

En la rama main tenemos lo siguiente:

COMMITTS RAMA1

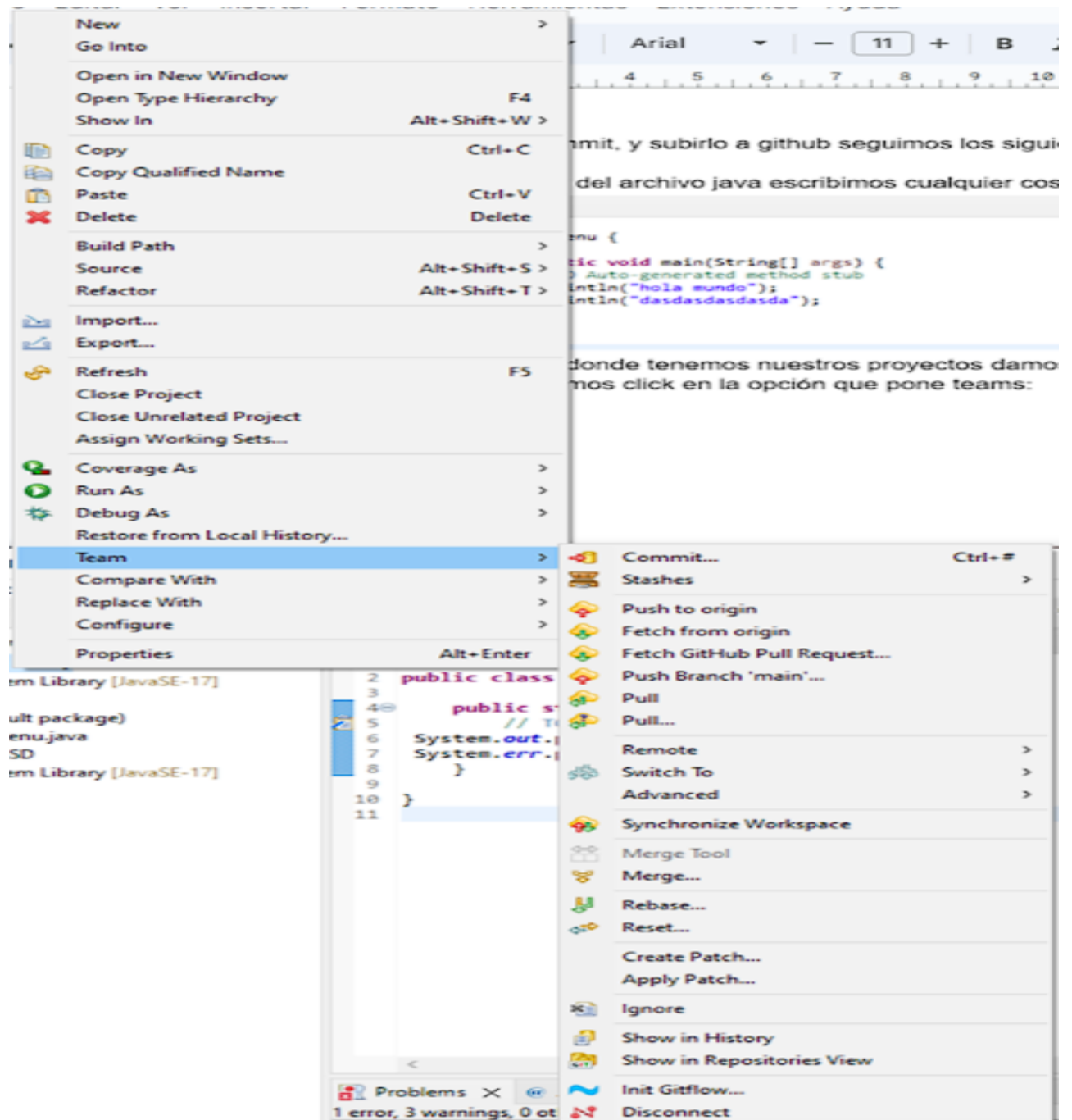
para hacer un commit, y subirlo a github seguimos los siguientes pasos:

1º primero a partir del archivo java escribimos cualquier cosa:

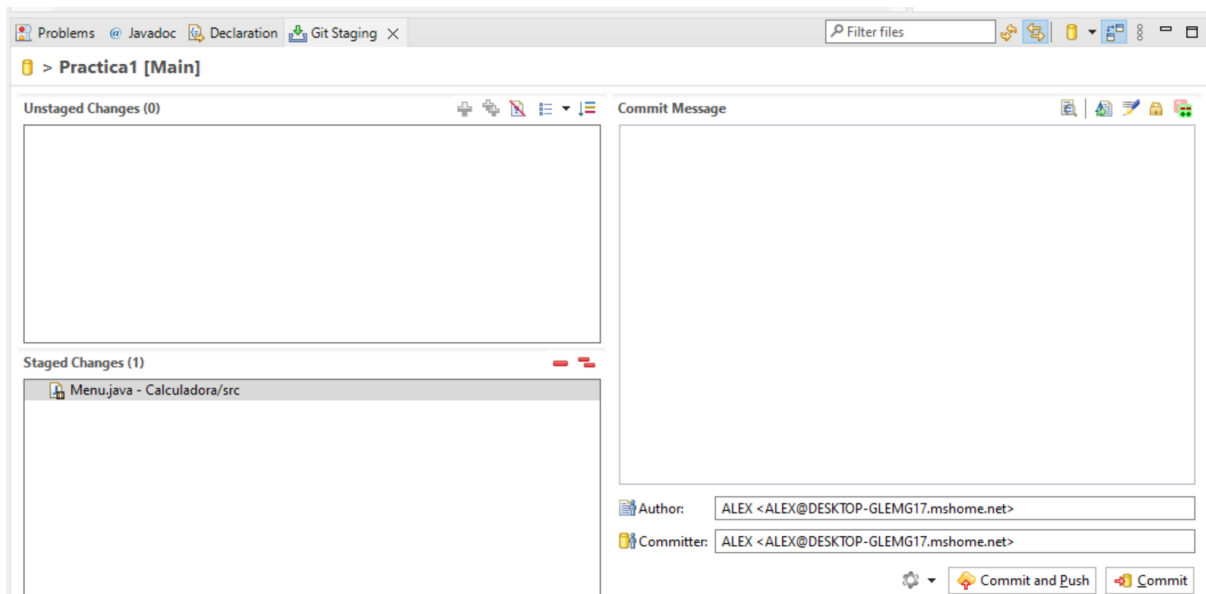


```
1 import java.util.Scanner;
2
3 public class Menu {
4
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7
8         int num1, num2, accion;
9
10        System.out.println("Calculadora simple");
11        System.out.println("_____");
12        while (true) {
13            System.out.println("Que quieres hacer?");
14            System.out.println("1-Sumar 2-Restar 3-Multiplicar 4-Dividir 5-Salir");
15            accion = sc.nextInt();
16
17            if (accion == 5) {
18                System.out.println("Saliendo de la calculadora.");
19                break;
20            }
21
22            System.out.println("Ingrese el primer numero:");
23            num1 = sc.nextInt();
24            System.out.println("Ingrese el segundo numero:");
25            num2 = sc.nextInt();
26
27            double resultado = 0;
28
29            if (accion == 1) {
30                resultado = num1 + num2;
31            } else if (accion == 2) {
32                resultado = num1 - num2;
33            } else if (accion == 3) {
34                //aqui la multiplicacion
35            } else if (accion == 4) {
36                //aqui la division
37            } else {
38                System.out.println("Opcion no valida. Por favor, elija una operacion valida.");
39                continue;
40            }
41
42            System.out.println("El resultado es: " + resultado);
43            System.out.println("");
44        }
45
46        sc.close();
47    }
48 }
49
```

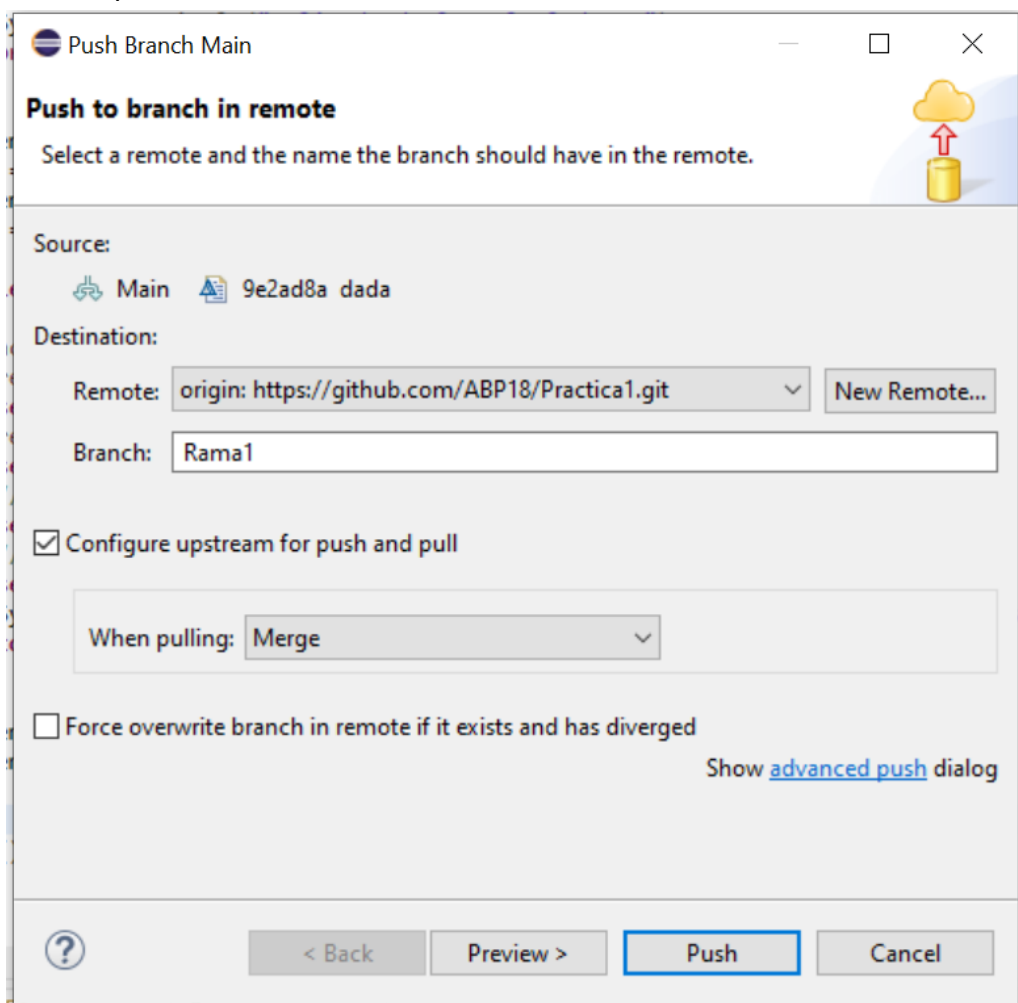
2º en el apartado donde tenemos nuestros proyectos damos click derecho y en el menú desplegable le damos click en la opción que pone teams y luego le damos al apartado commit:



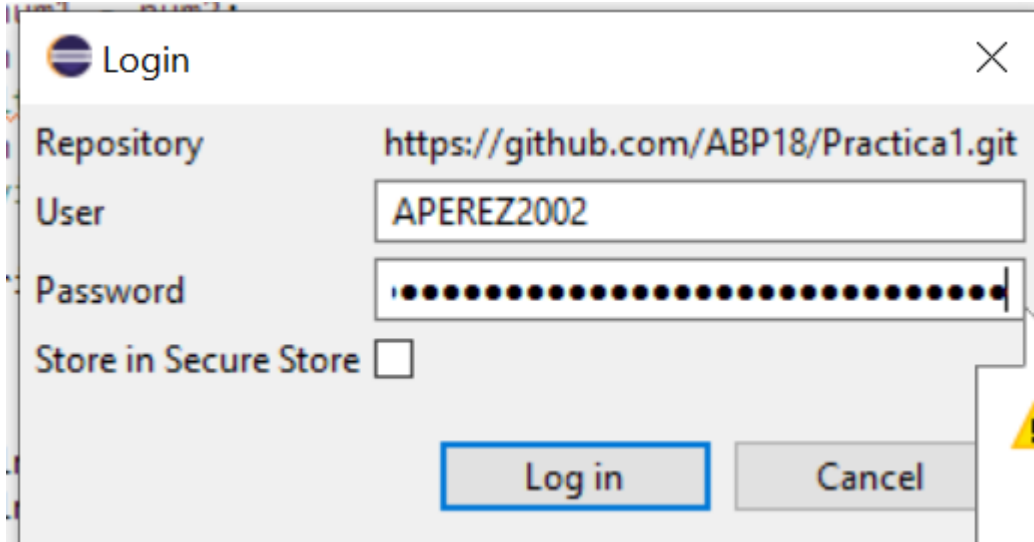
3º luego se abrirá una pestaña en la que saldrán los cambios realizados, otro apartado si queremos añadirle un mensaje, luego le damos a commit y mas tarde a push HEAD:



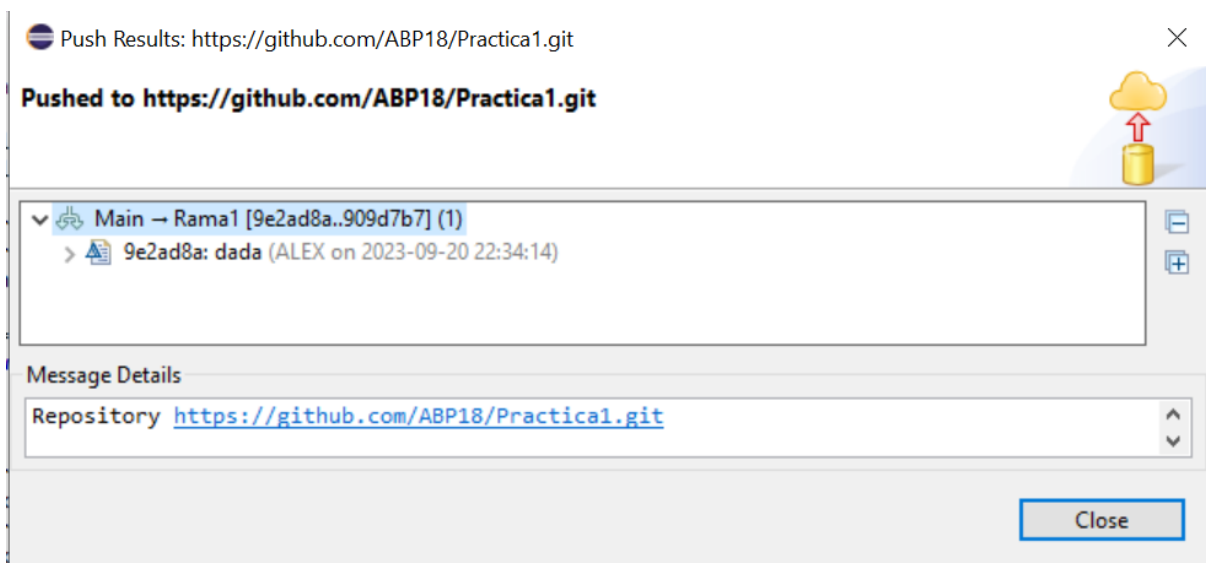
4º después se abrirá una pestaña en la que se ve de donde proviene el proyecto en nuestro repositorio, otro apartado en que rama en la queremos hacer el commit, después le damos al boton push:



5º finalmente saldra una pestaña en la que se nos pedira que introduzcamos nuestro usuario de github y la contraseña(token) y luego saldra la confirmacion de que se ha pusheado correctamente:



A screenshot of a 'Login' dialog box. It has a title bar with a GitHub logo and a close button. The dialog contains the following fields: 'Repository' with the value 'https://github.com/ABP18/Practica1.git', 'User' with the value 'APEREZ2002', and 'Password' which is masked with dots. There is an unchecked checkbox for 'Store in Secure Store'. At the bottom are 'Log in' and 'Cancel' buttons. A yellow warning icon is visible on the right side.

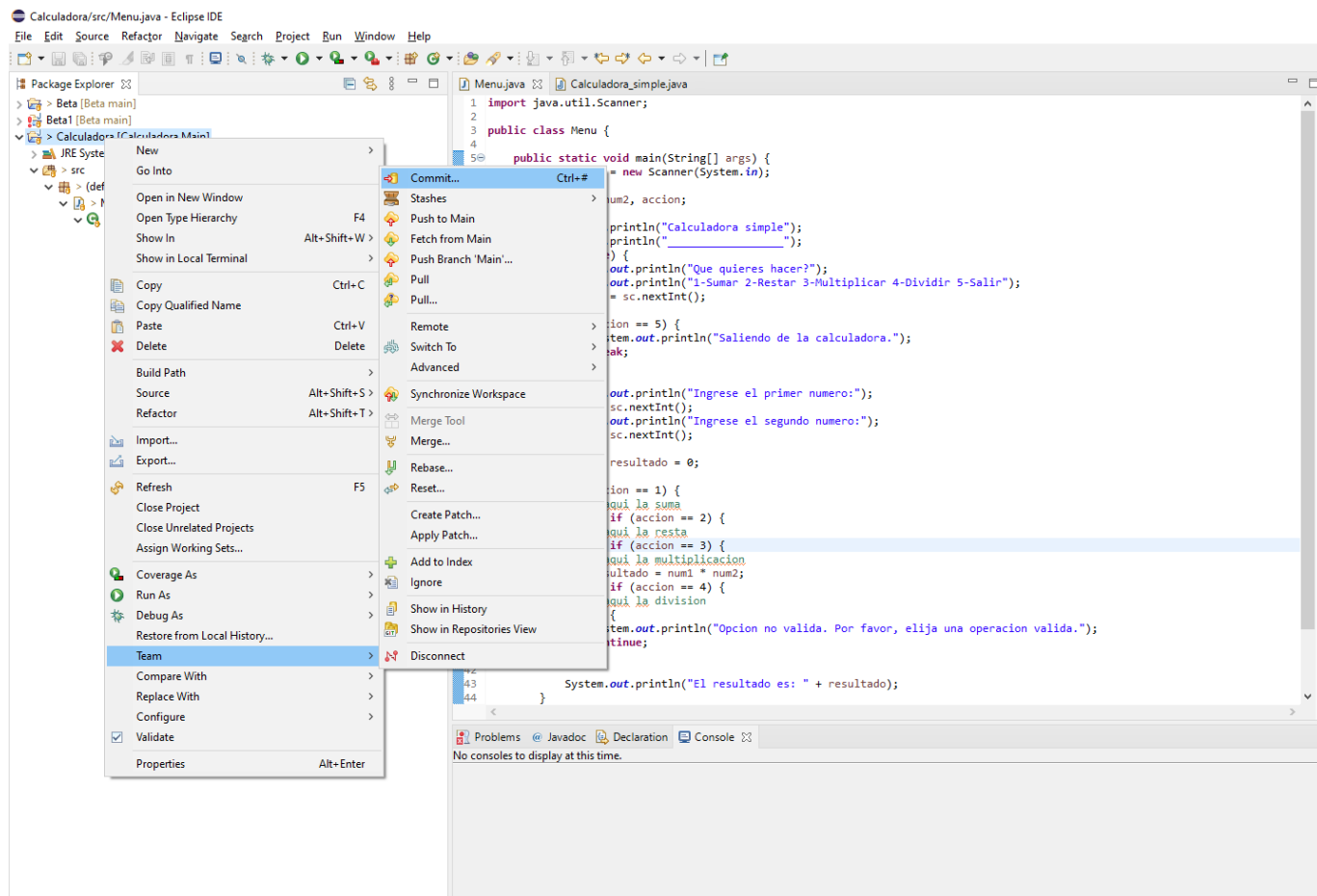


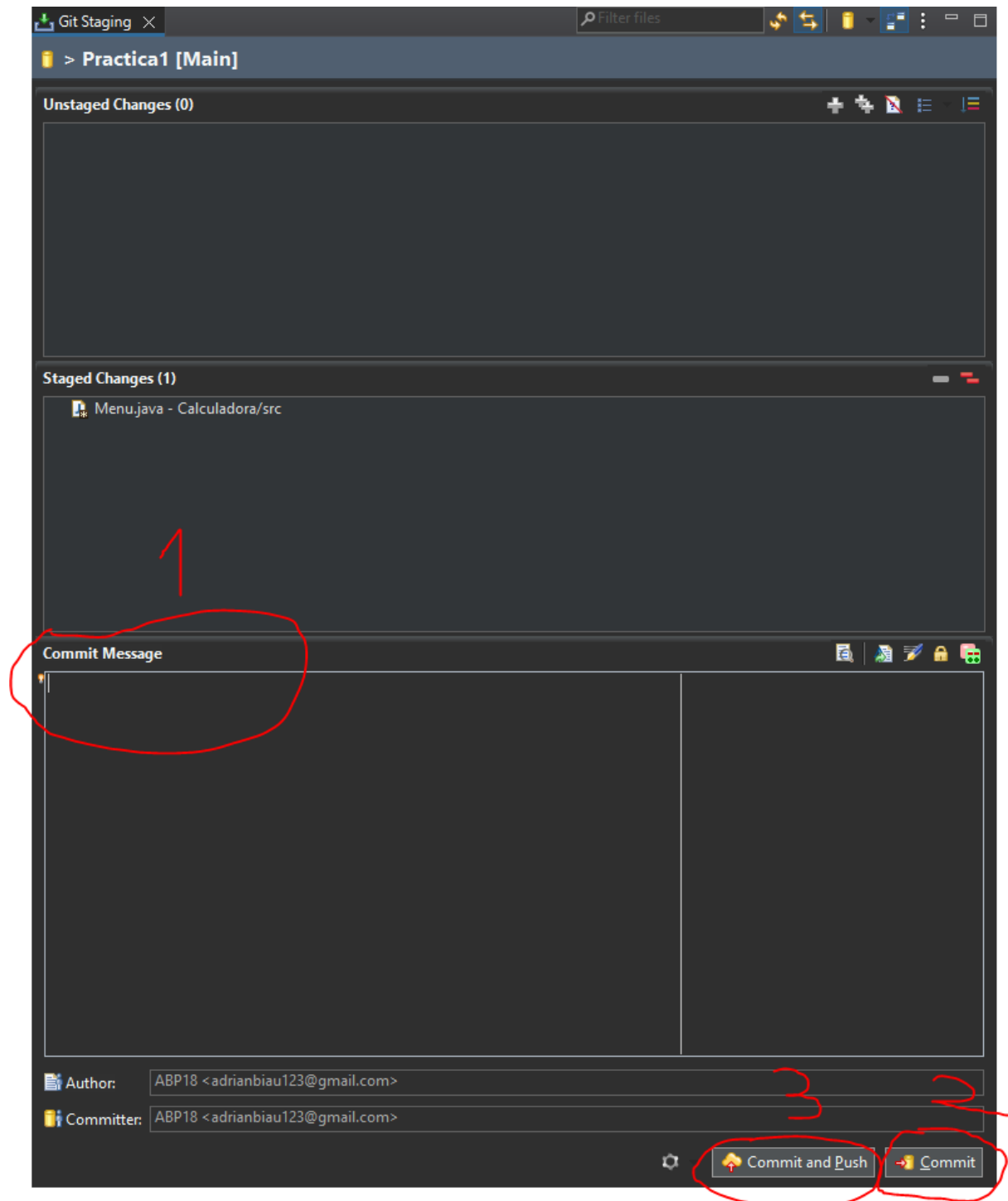
A screenshot of a 'Push Results' dialog box. The title bar shows 'Push Results: https://github.com/ABP18/Practica1.git' and a close button. The main content area displays 'Pushed to https://github.com/ABP18/Practica1.git' with a cloud and upload icon. Below this, a commit summary is shown: 'Main → Rama1 [9e2ad8a..909d7b7] (1)' and '9e2ad8a: dada (ALEX on 2023-09-20 22:34:14)'. A 'Message Details' section at the bottom shows the repository URL 'https://github.com/ABP18/Practica1.git'. A 'Close' button is located at the bottom right.

COMMITTS RAMA2

```
public class Menu {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
  
        int num1, num2, accion;  
  
        System.out.println("Calculadora simple");  
        System.out.println("_____");  
        while (true) {  
            System.out.println("Que quieres hacer?");  
            System.out.println("1-Sumar 2-Dividir 3-Multiplicar 4-Dividir 5-Salir");  
            accion = sc.nextInt();  
  
            if (accion == 5) {  
                System.out.println("Saliendo de la calculadora.");  
                break;  
            }  
  
            System.out.println("Ingrese el primer numero:");  
            num1 = sc.nextInt();  
            System.out.println("Ingrese el segundo numero:");  
            num2 = sc.nextInt();  
  
            double resultado = 0;  
  
            if (accion == 1) {  
                //aquí la suma  
            } else if (accion == 2) {  
                //aquí la resta  
            } else if (accion == 3) {  
                //aquí la multiplicacion  
            } else if (accion == 4) {  
                //aquí la division  
            } else {  
                System.out.println("Opcion no valida. Por favor, elija una operacion valida.");  
                continue;  
            }  
  
            System.out.println("El resultado es: " + resultado);  
        }  
  
        sc.close();  
    }  
}
```

En el caso de que quiera subir una actualización, en este caso el apartado de multiplicación. Debemos hacer clic derecho en el proyecto e ir al apartado Teams:





Una vez se haya Pusheado, seleccionas en que rama quieres subirlo:

Push Branch Main

Push to branch in remote

⚠ The existing upstream configuration for the branch will be overwritten.

Source:

↻ Main 5589c8f Multiplicacion

Destination:

Remote: origin: https://github.com/ABP18/Practica1.git New Remote...

Branch: refs/heads/Rama2

☒ Configure upstream for push and pull

When pulling: Merge

☐ Force overwrite branch in remote if it exists and has diverged

Show [advanced push](#) dialog

? < Back Preview > Push Cancel

y pulsamos en push.

Login

Repository https://github.com/ABP18/Practica1.git

User

Password

Store in Secure Store ☐

Log in Cancel

Nos pedirá
usuario y contraseña, la contraseña es un token creado dentro de los ajustes de github.

ABP18 / Practica1

Q Type to search

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Label issues and pull requests for new contributors

Dismiss

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with [good first issue](#)

Filters

Q ispr isopen

Labels 9

Milestones 0

New pull request

☐ 0 Open

☒ 2 Closed

Author

Label

Projects

Milestones

Reviews

Assignee

Sort

There aren't any open pull requests.




You could search [all of GitHub](#) or try an [advanced search](#).

ProTip!

nomilestone will show everything without a milestone.


Compare and review just about anything

Branches, tags, commit ranges, and time ranges. In the same repository and across forks.

| Example comparisons | | |
|--|--|---------------|
|  Rama1 | | 9 minutes ago |
|  Rama2 | | 4 hours ago |
|  Main@{1day}...Main | | 24 hours ago |

Pull request y merge de la rama1

```
Calculadora/src/Menu.java
@@ -29,7 +29,7 @@ public static void main(String[] args) {
29      29          if (accion == 1) {
30      30              resultado = num1 + num2;
31      31          } else if (accion == 2) {
32      32              resultado = num1 - num2;
33      33          } else if (accion == 3) {
34      34              //aqui la multiplicacion
35      35          } else if (accion == 4) {
```



Write

Preview

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Leave a comment

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

Create pull request

Add more commits by pushing to the **Rama1** branch on **ABP18/Practica1**.



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Merge pull request #2 from ABP18/Rama1

Rama1

This commit will be authored by 119208468+APEREZ2002@users.noreply.github.com

Confirm merge

Cancel

Pull request y merge de la rama2

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

base: Main ← compare: Rama2 ✓ **Able to merge.** These branches can be automatically merged.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#)

Create pull request

1 commit

1 file changed

1 contributor

Commits on Sep 20, 2023

Añadido multiplicacion

alumnat authored and alumnat committed 4 hours ago

1cec933

Showing 1 changed file with 1 addition and 0 deletions.

Split Unified

```
Calculadora/src/Menu.java
@@ -32,6 +32,7 @@ public static void main(String[] args) {
32 32 //aquí la resta
33 33 } else if (accion == 3) {
34 34 //aquí la multiplicacion
35 + resultado = num1 * num2;
36 36 } else if (accion == 4) {
37 37 //aquí la division
38 38 } else {
```


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: Main

compare: Rama2

✓ Able to merge. These branches can be automatically merged.

Añadido multiplicacion

Write

Preview

H B I ≡ <> 🔗 ≡ ≡ ≡ @ ↗ ↶

Leave a comment

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

M4

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Conversation 0

Commits 1

Checks 0

Files changed 1

ABP18 commented now

Owner ...

No description provided.

😊

Añadido multiplicacion

1cec933

Add more commits by pushing to the **Rama2** branch on **ABP18/Practical1**.

Require approval from specific reviewers before merging

Branch protection rules ensure specific people approve pull requests before they're merged.

Add rule

×

Continuous integration has not been set up

GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.


✓ This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



ABP18 merged commit 8012584 into Main now Revert

 Pull request successfully merged and closed
You're all set—the Rama2 branch can be safely deleted. Delete branch

Errores

En el caso de que se genere un conflicto, ya sea por archivos eliminados o por algun archivo dañado saldrá este mensaje.

Add more commits by pushing to the Rama1 branch on ABP18/Practica1.

  This branch has conflicts that must be resolved
Use the [web editor](#) or the [command line](#) to resolve conflicts.
Conflicting files
Calculadora/src/Menu.java Resolve conflicts

Merge pull request You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

```
18         System.out.println("Saliendo de la calculadora.");
19         break;
20     }
21
22     <<<<<< Rama1
23         System.out.println("Cual el primer numero:");
24     =====
25         System.out.println("Ingrese el primer numero: ");
26     >>>>>> Main
27         num1 = sc.nextInt();
28         System.out.println("Ingrese el segundo numero: ");
29         num2 = sc.nextInt();
```

```
System.out.println("Ingrese el primer numero: ");|
num1 = sc.nextInt();
System.out.println("Ingrese el segundo numero: ");
num2 = sc.nextInt();
```

1 conflict

Prev ^

Next v



Mark as resolved

Rama1 #7

Resolving conflicts between Rama1 and Main and committing changes → Rama1

1 conflicting file

Menu.java
Calculadora/src/Menu.java



Calculadora/src/Menu.java

```
1 import java.util.Scanner;
2
3 public class Menu {
4
5     public static void main(String[] args) {
```

Add more commits by pushing to the Rama1 branch on ABP18/Practica1.



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).