Practice 2: Pablo Torres

Install git and check it

1. **Installation:** Fol... ...the instruction... ...vailable at... ...https://git-scm.com/book/en...

2. **Verification of i...**
   git

Exercise 2: Download th...

1. **Unzip the exam...**
   contains a Maven...

2. **Exploring the p...** ...roject and review... ...README.md).

```
C:\WINDOWS\system32\cmd.exe                                          —  □  ✕
Microsoft Windows [Versión 10.0.19045.5487]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\ptorr>git
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
           [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
           [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--no-lazy-fetch]
           [--no-optional-locks] [--no-advice] [--bare] [--git-dir=<path>]
           [--work-tree=<path>] [--namespace=<name>] [--config-env=<name>=<envvar>]
           <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
   clone      Clone a repository into a new directory
   init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
   add        Add file contents to the index
   mv         Move or rename a file, a directory, or a symlink
   restore    Restore working tree files
   rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
   bisect     Use binary search to find the commit that introduced a bug
   diff       Show changes between commits, commit and working tree, etc
   grep       Print lines matching a pattern
   log        Show commit logs
   show       Show various types of objects
   status     Show the working tree status
```

Add and commit files

```
C:\WINDOWS\system32\cmd.exe                                          —  □  ✕

C:\Users\ptorr\practice2git>git init
Initialized empty Git repository in C:/Users/ptorr/practice2git/.git/

C:\Users\ptorr\practice2git>git status
On branch master

No commits yet

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

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

C:\Users\ptorr\practice2git>
```

Exercise 3: Getting started with Git.

1. **Prepare the terminal**: Change the working directory of
   the one containing the calculator project. Check this by dis
   contents of the directory (Command: `ls -al`).

2. **Initialise Git in the project folder**: `git init`

3. **View repository status**: `git status`

4. **Configure Git with user information**: Enter username
   address (the ones used when registering on GitHub):

   `git config --global user.name "username".`

   `git config --global user.email usuario@gmail.co`

Exercise 4: Adding files and directories.

1. **Include the project files**:

   `git add pom.xml README.md`

2. **Check that the files are added**: `git status.`

3. **Consolidate changes**:

   `git commit -am "Add files pom.xml and README.md".`

4. **View repository status**: `git status`

5. **Include the src directory**:

```
C:\Users\ptorr\practice2git>git init
Initialized empty Git repository in C:/Users/ptorr/practice2git/.git/

C:\Users\ptorr\practice2git>git status
On branch master

No commits yet

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

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

C:\Users\ptorr\practice2git>git config --global user.name ptorrmen@gmail.com

C:\Users\ptorr\practice2git>git config --global user.name pablotm

C:\Users\ptorr\practice2git>git config --global user.email usuario@gmail.com

C:\Users\ptorr\practice2git>
```

```
C:\Users\ptorr\practice2git>git config --global user.name ptorrmen@gmail.com

C:\Users\ptorr\practice2git>git config --global user.name pablotm

C:\Users\ptorr\practice2git>git config --global user.email usuario@gmail.com

C:\Users\ptorr\practice2git>git add pom.xml README.md
fatal: pathspec 'pom.xml' did not match any files

C:\Users\ptorr\practice2git>git add pom.xml README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'pom.xml', LF will be replaced by CRLF the next time Git touches it

C:\Users\ptorr\practice2git>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   README.md
        new file:   pom.xml

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

C:\Users\ptorr\practice2git>
```

```
C:\Users\ptorr\practice2git>git add src
warning: in the working copy of 'src/main/java/org/iis/ajnebro/Calculator.java', LF will be replaced by CRLF the next ti
me Git touches it
warning: in the working copy of 'src/test/java/org/iis/ajnebro/CalculatorTest.java', LF will be replaced by CRLF the nex
t time Git touches it

C:\Users\ptorr\practice2git>git commit -am "Add source folder"
[master 8c71c8f] Add source folder
 2 files changed, 90 insertions(+)
 create mode 100644 src/main/java/org/iis/ajnebro/Calculator.java
 create mode 100644 src/test/java/org/iis/ajnebro/CalculatorTest.java

C:\Users\ptorr\practice2git>git status
On branch master
nothing to commit, working tree clean

C:\Users\ptorr\practice2git>git log
commit 8c71c8f69af9cf5e96e623aafb41ffc4e8075953 (HEAD -> master)
Author: pablotm <usuario@gmail.com>
Date:   Wed Mar 5 13:16:28 2025 +0100

    Add source folder

commit b3bfa647f27e9e801f65aed933d37b3f01fb8589
Author: pablotm <usuario@gmail.com>
Date:   Wed Mar 5 13:13:55 2025 +0100

    Add files pom.xml and README.md

C:\Users\ptorr\practice2git>
```

```
C:\Users\ptorr\practice2git>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   README.md
        new file:   pom.xml

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


C:\Users\ptorr\practice2git>git commit -am "Add files pom.xml and README.md"
[master (root-commit) b3bfa64] Add files pom.xml and README.md
 2 files changed, 77 insertions(+)
 create mode 100644 README.md
 create mode 100644 pom.xml

C:\Users\ptorr\practice2git>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        src/

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

C:\Users\ptorr\practice2git>
```
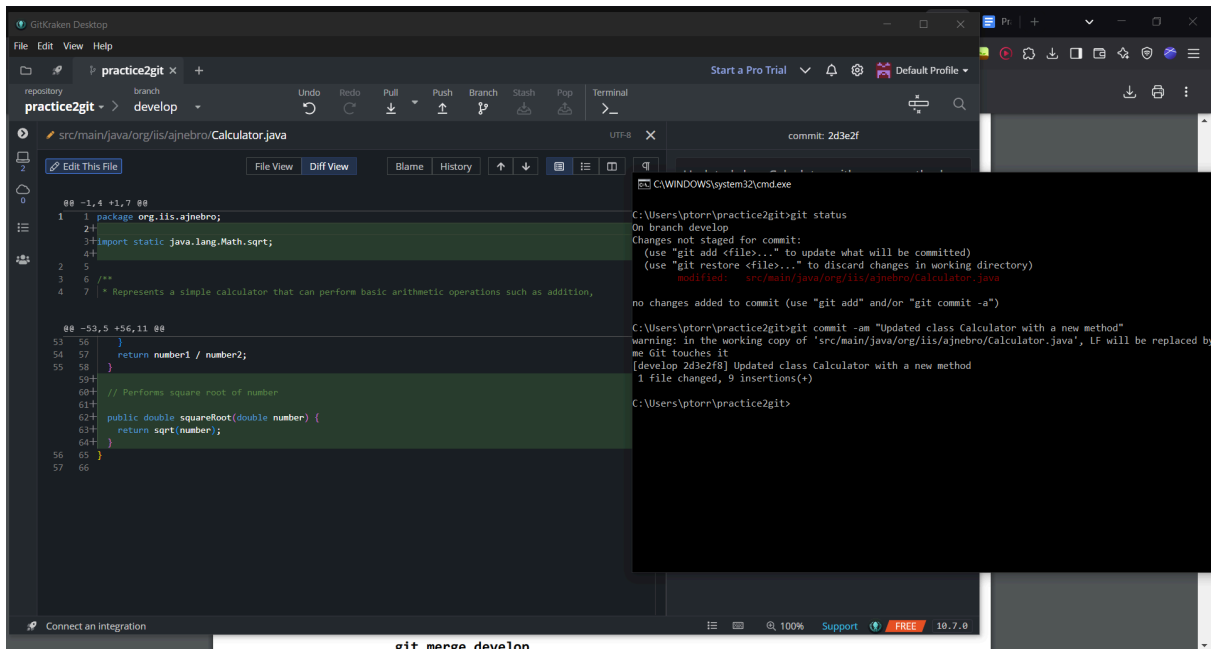
Add code to Calculator.java class using IntelliJ
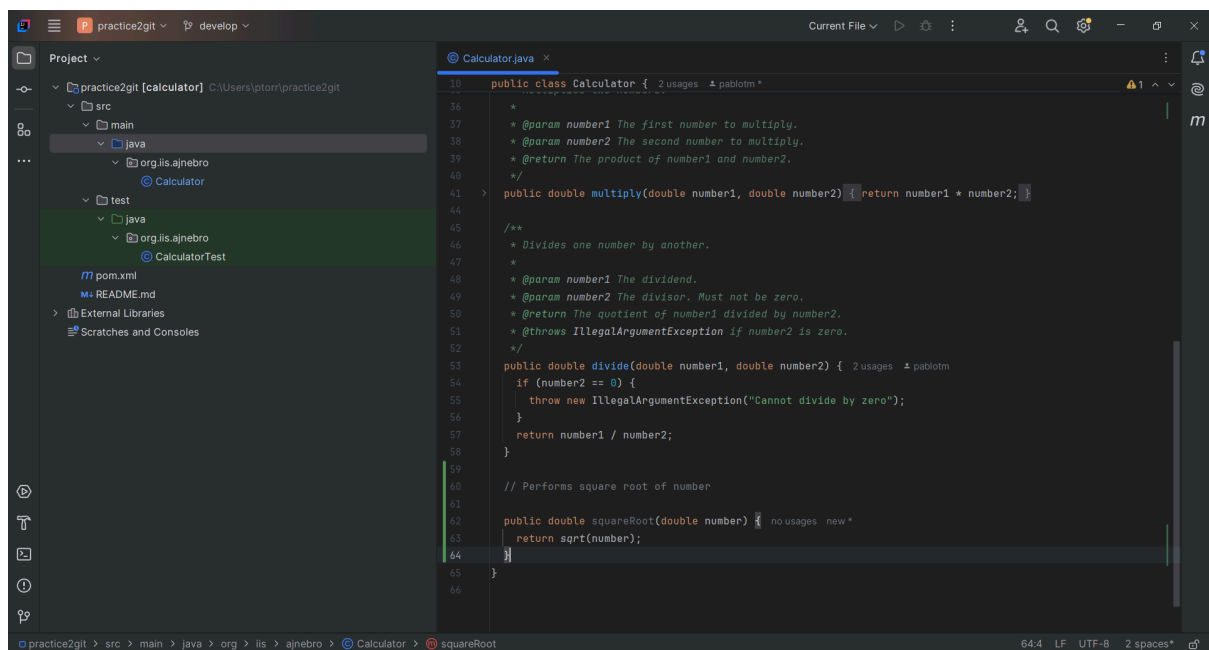
Check changes made on GitKraken

Mix develop and master branches and review commits made


```
C:\WINDOWS\system32\cmd.exe

C:\Users\ptorr\practice2git>git merge develop
Updating 8c71c8f..2d3e2f8
Fast-forward
 src/main/java/org/iis/ajnebro/Calculator.java | 9 +++++++++
 1 file changed, 9 insertions(+)

C:\Users\ptorr\practice2git>git status
On branch master
nothing to commit, working tree clean

C:\Users\ptorr\practice2git>git log
commit 2d3e2f8df440543338322bfa7fb86fd3ebce8731 (HEAD -> master, develop)
Author: PabloTM-00 <ptorrmen@gmail.com>
Date:   Wed Mar 5 13:26:54 2025 +0100

    Updated class Calculator with a new method

commit 8c71c8f69af9cf5e96e623aafb41ffc4e8075953
Author: pablotm <usuario@gmail.com>
Date:   Wed Mar 5 13:16:28 2025 +0100

    Add source folder

commit b3bfa647f27e9e801f65aed933d37b3f01fb8589
Author: pablotm <usuario@gmail.com>
Date:   Wed Mar 5 13:13:55 2025 +0100

    Add files pom.xml and README.md

C:\Users\ptorr\practice2git>
```

```
C:\WINDOWS\system32\cmd.exe

C:\Users\ptorr\practice2git>git checkout develop
Already on 'develop'

C:\Users\ptorr\practice2git>git commit -am "Refactor division operation"
On branch develop
nothing to commit, working tree clean

C:\Users\ptorr\practice2git>git status
On branch develop
nothing to commit, working tree clean

C:\Users\ptorr\practice2git>
```

```
C:\WINDOWS\system32\cmd.exe

C:\Users\ptorr\practice2git>git checkout develop
Already on 'develop'

C:\Users\ptorr\practice2git>git commit -am "Refactor division operation"
On branch develop
nothing to commit, working tree clean

C:\Users\ptorr\practice2git>git status
On branch develop
nothing to commit, working tree clean

C:\Users\ptorr\practice2git>git checkout master
Switched to branch 'master'

C:\Users\ptorr\practice2git>git commit -am "Refactor method divide() in branch main"
[master 6f1b9d1] Refactor method divide() in branch main
1 file changed, 2 insertions(+), 1 deletion(-)

C:\Users\ptorr\practice2git>git status
On branch master
nothing to commit, working tree clean

C:\Users\ptorr\practice2git>git checkout develop
Switched to branch 'develop'

C:\Users\ptorr\practice2git>
```

```
C:\WINDOWS\system32\cmd.exe

C:\Users\ptorr\practice2git>git merge master
Auto-merging src/main/java/org/iis/ajnebro/Calculator.java
CONFLICT (content): Merge conflict in src/main/java/org/iis/ajnebro/Calculator.java
Automatic merge failed; fix conflicts and then commit the result.

C:\Users\ptorr\practice2git>
```