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Date : 14.11.21
Class : Socle Technique de développement logiciel

## TODO's 1 – 2

A) Read the man ls documentation, and type a ls command that
1. list the files including hidden files
2. display the sizes in a readable format (for example, 454M instead of 454279954)
3. sorting files by descending modification date

–A : show hidden files (just if starts with . (not .. or ...)).
–a : show hidden files (all which starts with .).
–S : sort by size
–t : Sort by descending time modified (most recently modified first).  If two files have the same modification timestamp, sort their names in ascending lexicographical order. The **–r** option reverses both of these sort orders.
–l : Show all the information
–h : Show the information in a readable format

Run command: **$ ls –lath**

   B) Script for iOS
   1. Install pre–requisites on your computer
   2. Install Ruby on your computer. brew suggested
      – **$ brew install ruby**
   3. Install bundler gems
      – **$ gem install Jekyll bundler**
   4. Create a new Jekyll site at "./myblog"
      – **$ jekyll new myblog**
   5. Change into a new directory
      – **$ cd myblog**
   6. Build the site and make it available on a local server
      – **$ bundle exec Jekyll serve**
   7. Browse http://localhost:4000 on your favourite browser

Git

As we talk before in class, and as I have no group of the Jekyll project, I will list some of the principal git commands. I tried to share the link of the repository, but the owner is the admin of the course repository. I will add some screenshots and the link anyways. If further information is required, I can show you in class.

Repo: https://github.com/IIC2513–2021–1/G2–Tesla–p2–backend


Main commands:


To set your git username

**$ git config --global user.name MYUSERNAME**

To set your git email
**$ git config --global user.email MYMAIL@EXAMPLE.COM**

To see the current configuration
**$ git config --list**

To initialize a new repository
**$ git init REPOSITORYNAME**

To initialize a repository on your computer:
**$ git clone https://github.com/YOUR-USERNAME/YOUR-REPOSITORY**

To pull the current files of the current branch in the repository
**$ git pull**

To add/update new files / To add/update all new files
**$ git add FILENAME**
**$ git add ***

To look for differences between the current folder and the repo
**$ git diff**

To remove a file
**$ git rm FILENAME**

To tag a specific commit
**$ git tag COMMITID**

To see all the branches of the repo (also shows in which one you are)
**$ git branch**

To merge de specified branch to the current branch
**$ git merge BRANCHNAME**

To create a new branch
**$ git branch BRANCHNAME**

To delete a branch
**$ git branch -d BRANCHNAME**

To commit the changes with a comment
**$ git commit -m'COMMENT'**

To push the changes committed in the current branch
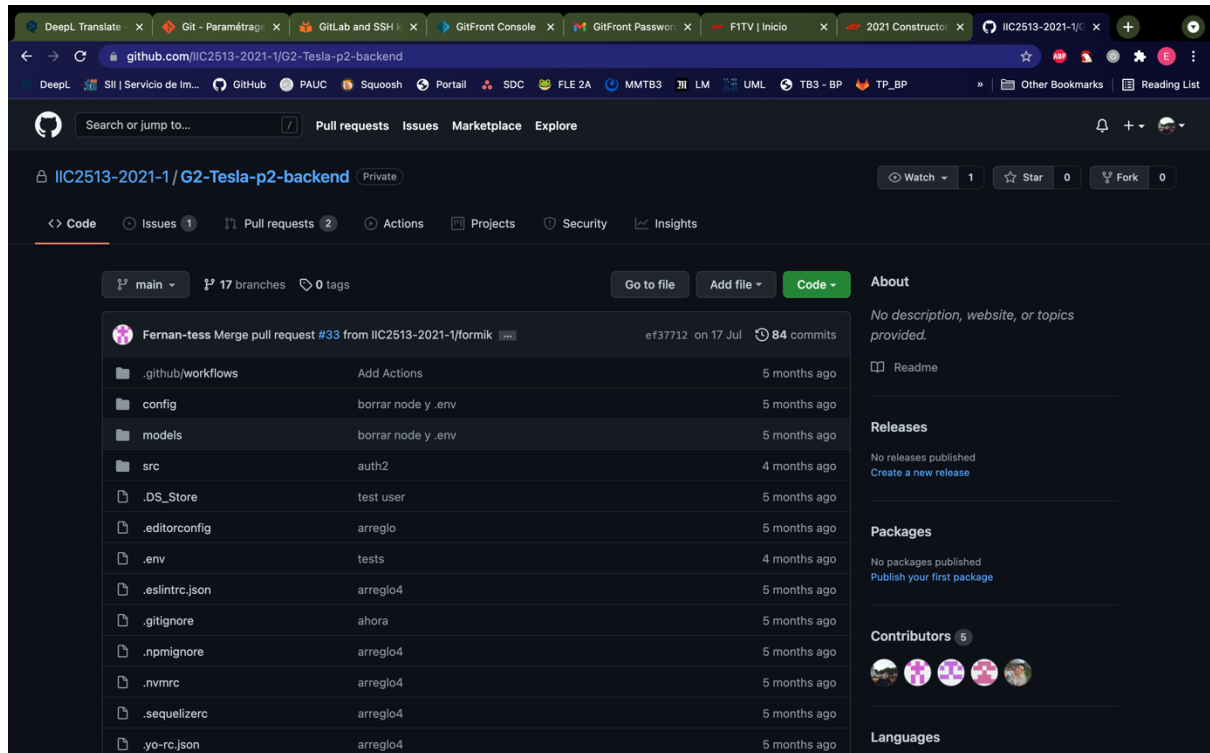**$ git push**

To push the changes committed all branches
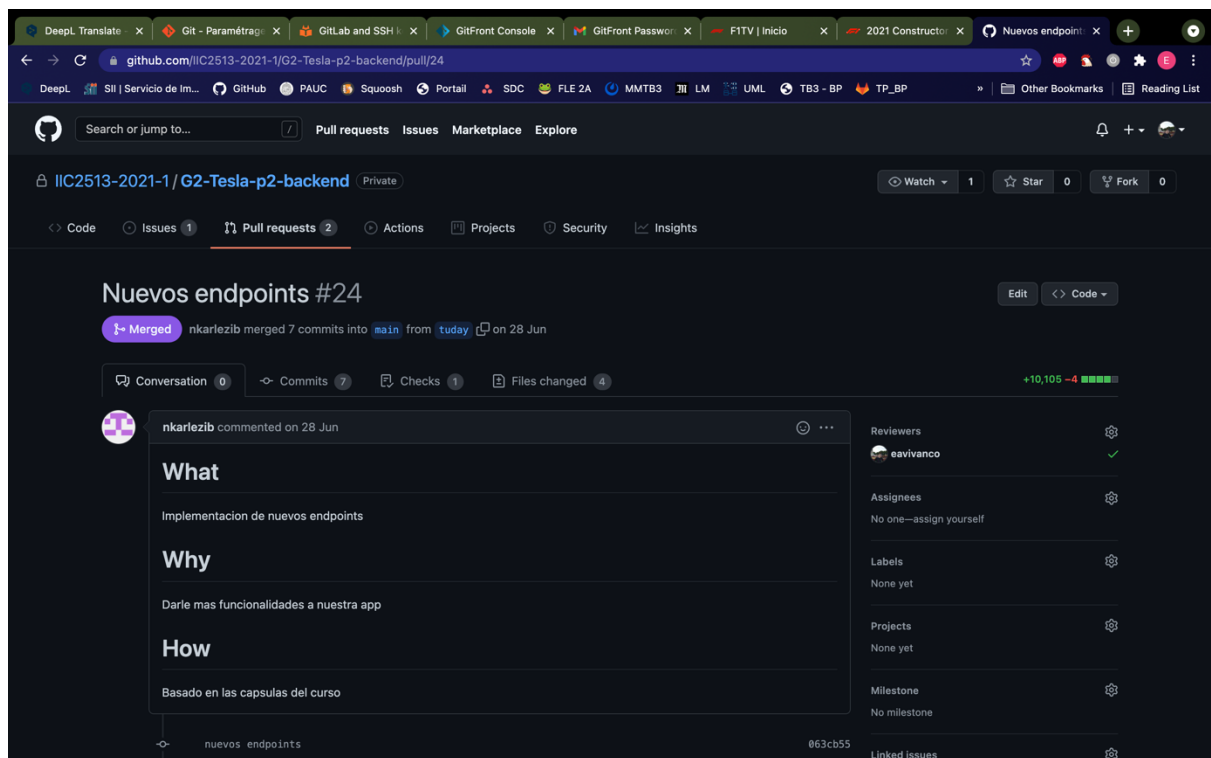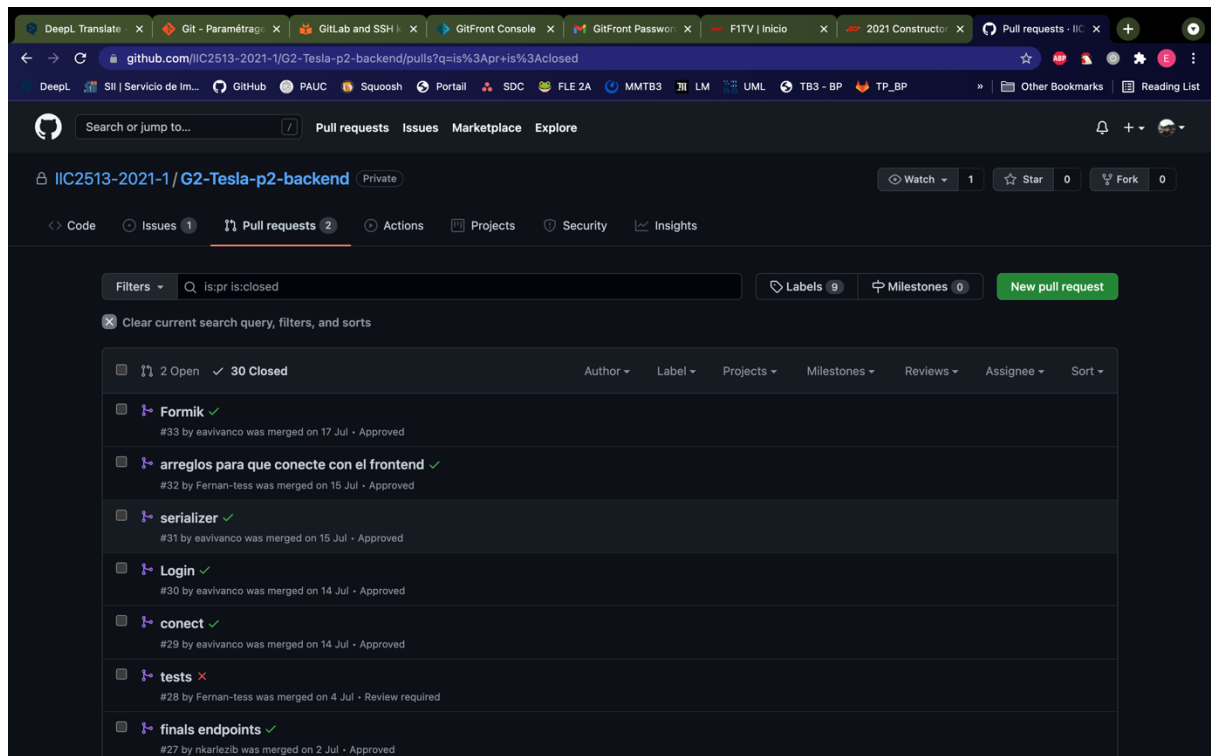**$ git push -all**

To create a new branch and switch to it
**$ git checkout -b NEW_BRANCH_NAME**

To move to a new branch
**$ git checkout BRANCH_NAME**
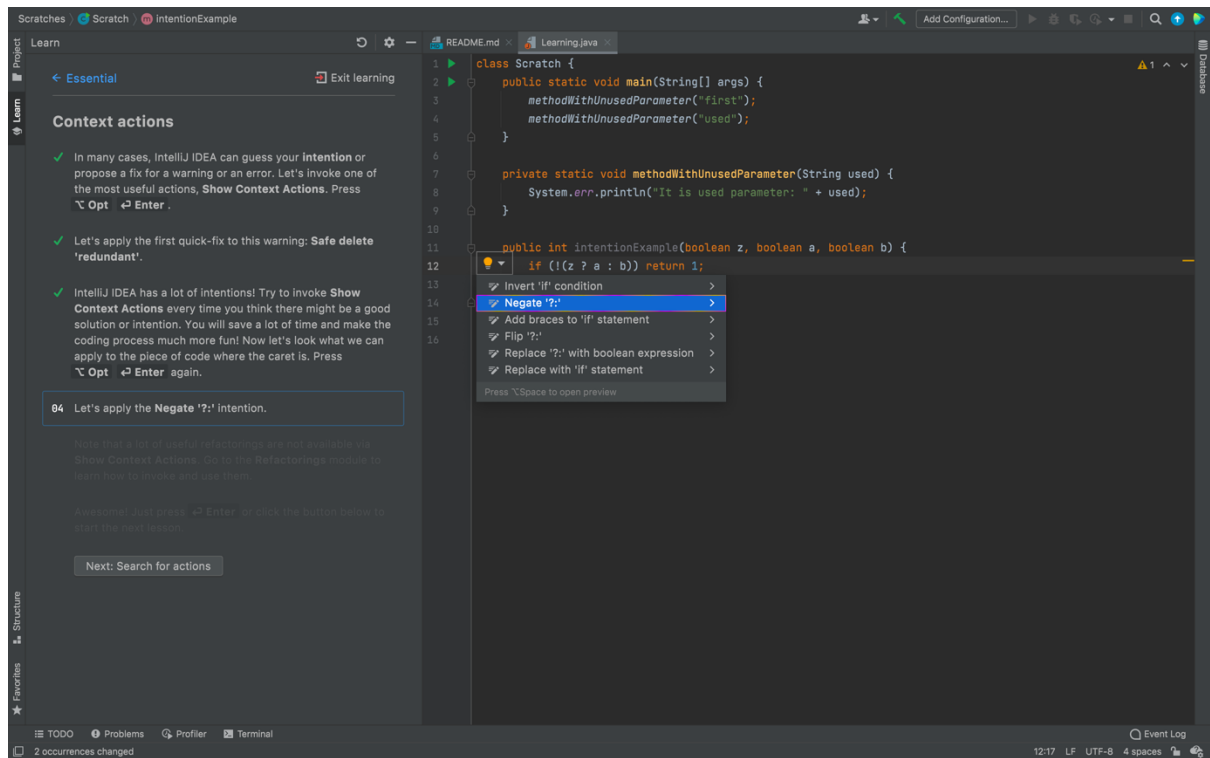

Screenshots:



1. General view of the repository

2. View of the pull requests during the developing process



3. View of one of the requests descriptions
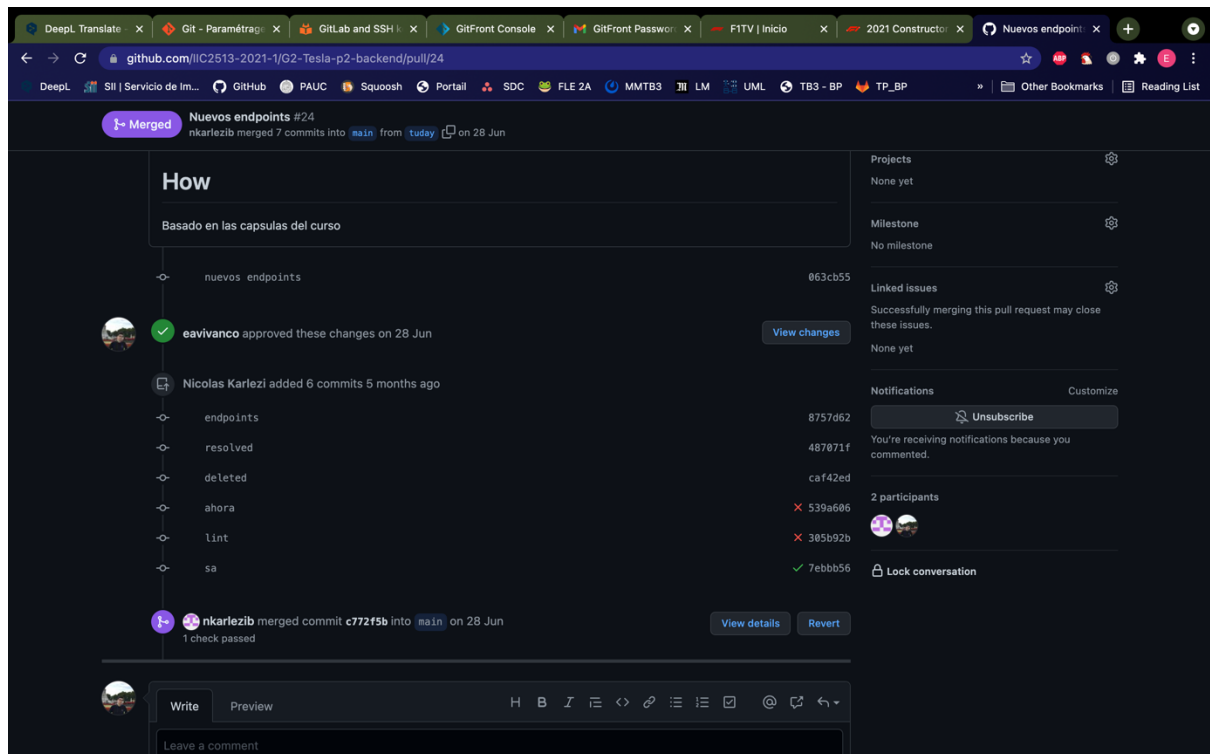
4. The merge was blocked until other member of the group approves the changes
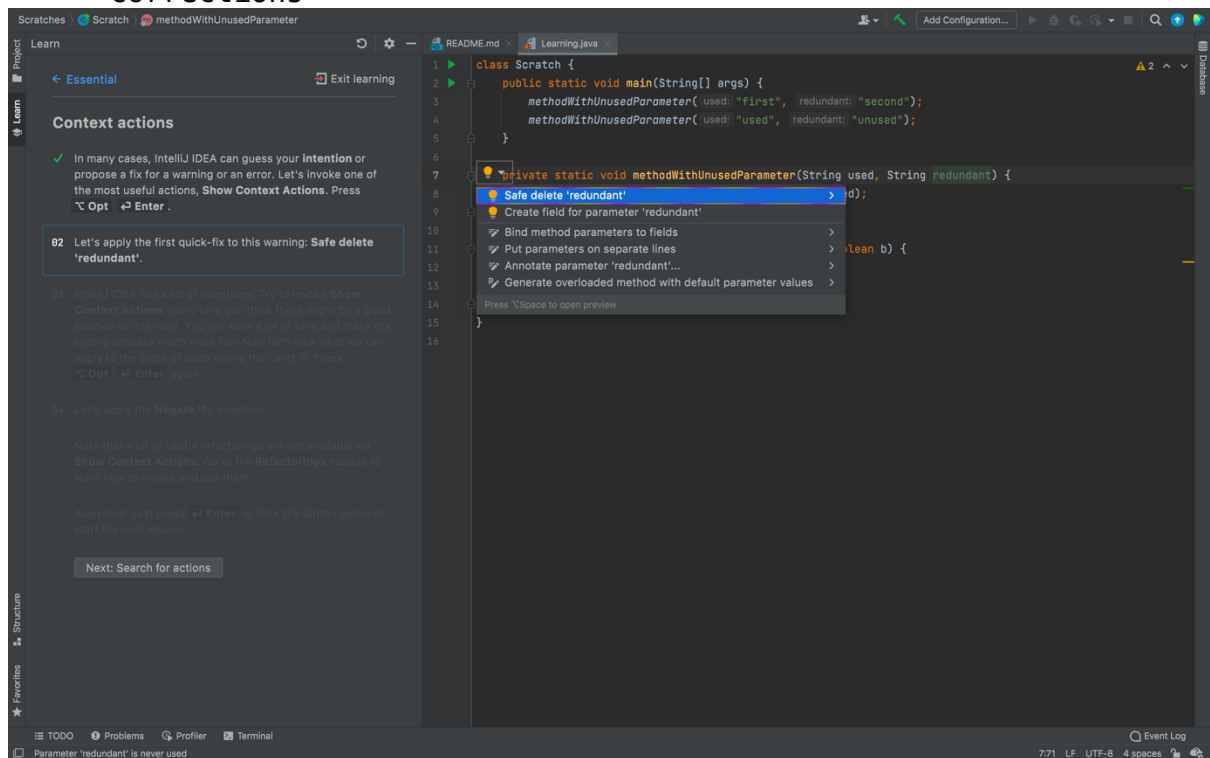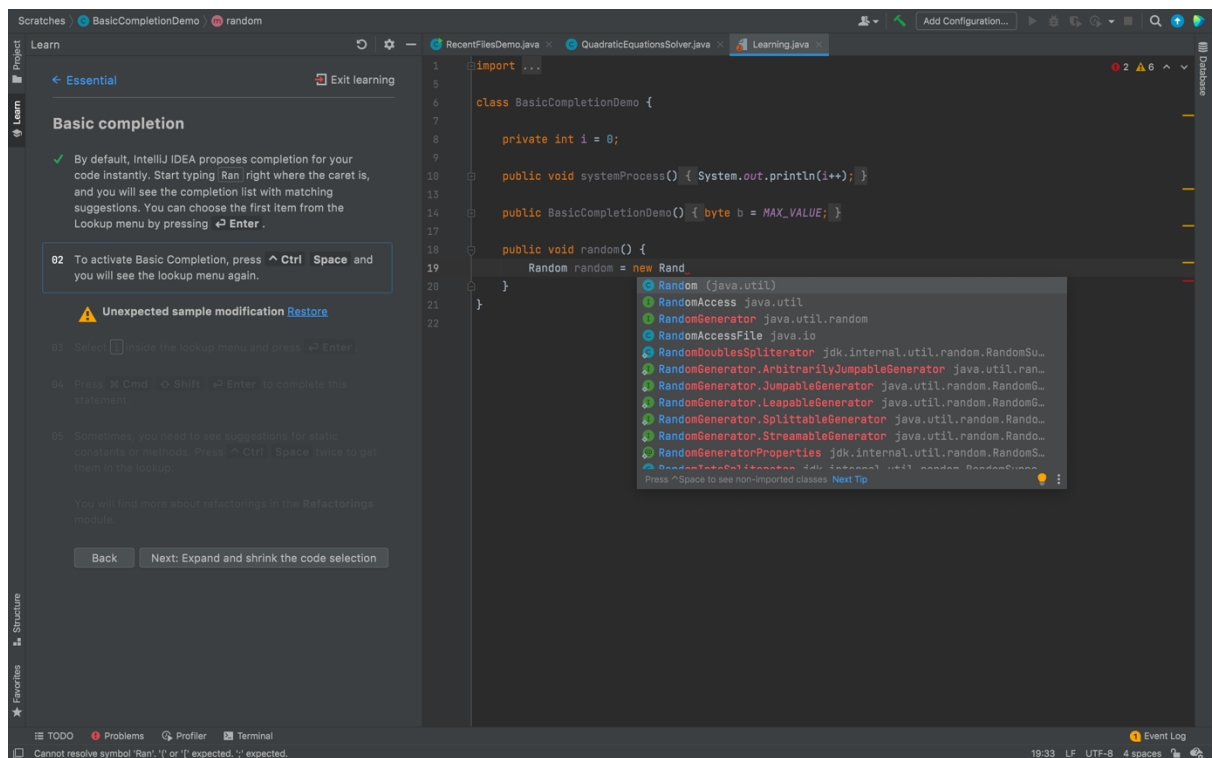
Repo: <u>https://github.com/eavivanco/Java.git</u>

IDE: IntelliJ IDEA



1. It detects minor errors in the syntaxis and suggests corrections



2. Suggests "safe deletions" for redundant statements
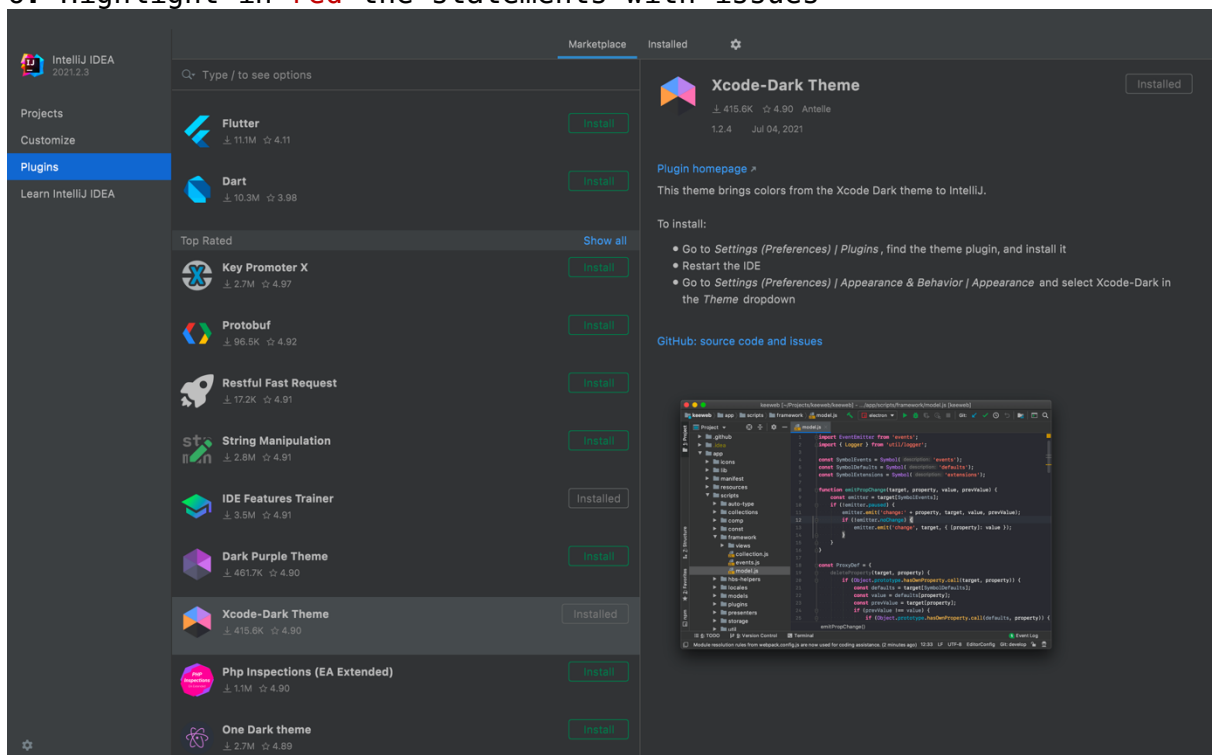
3. Suggest auto-completion for uncompleted sentences
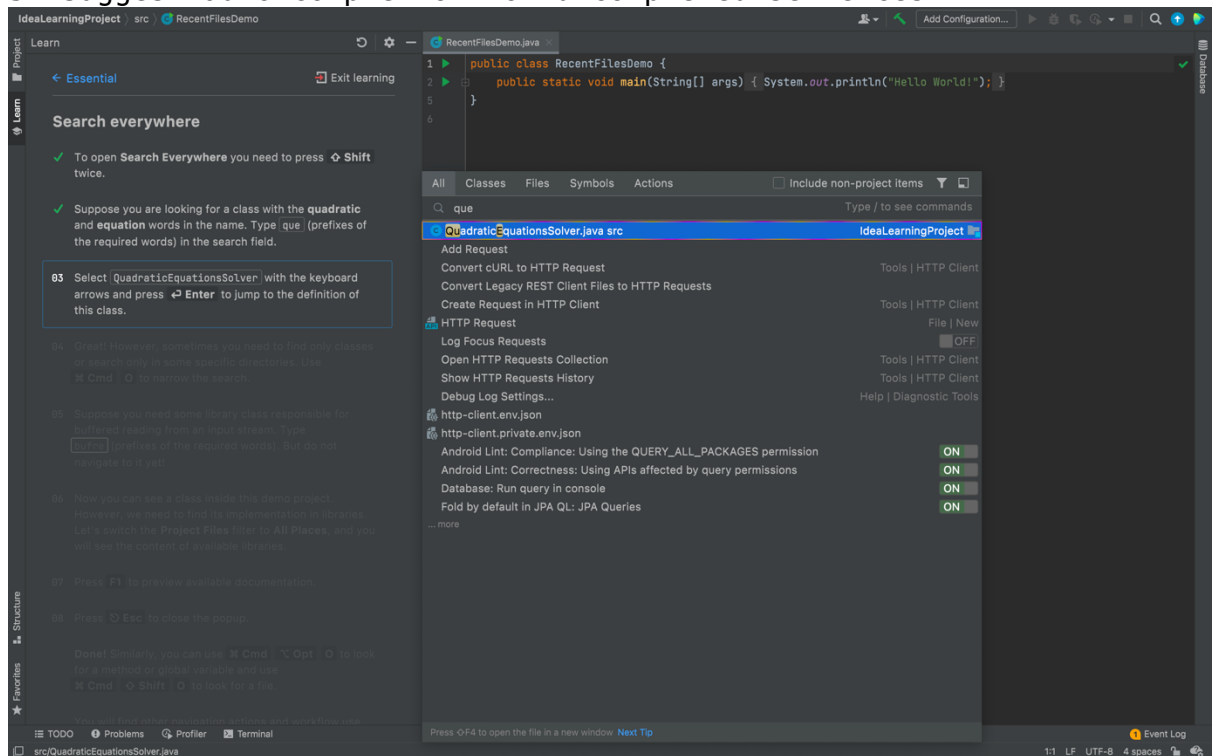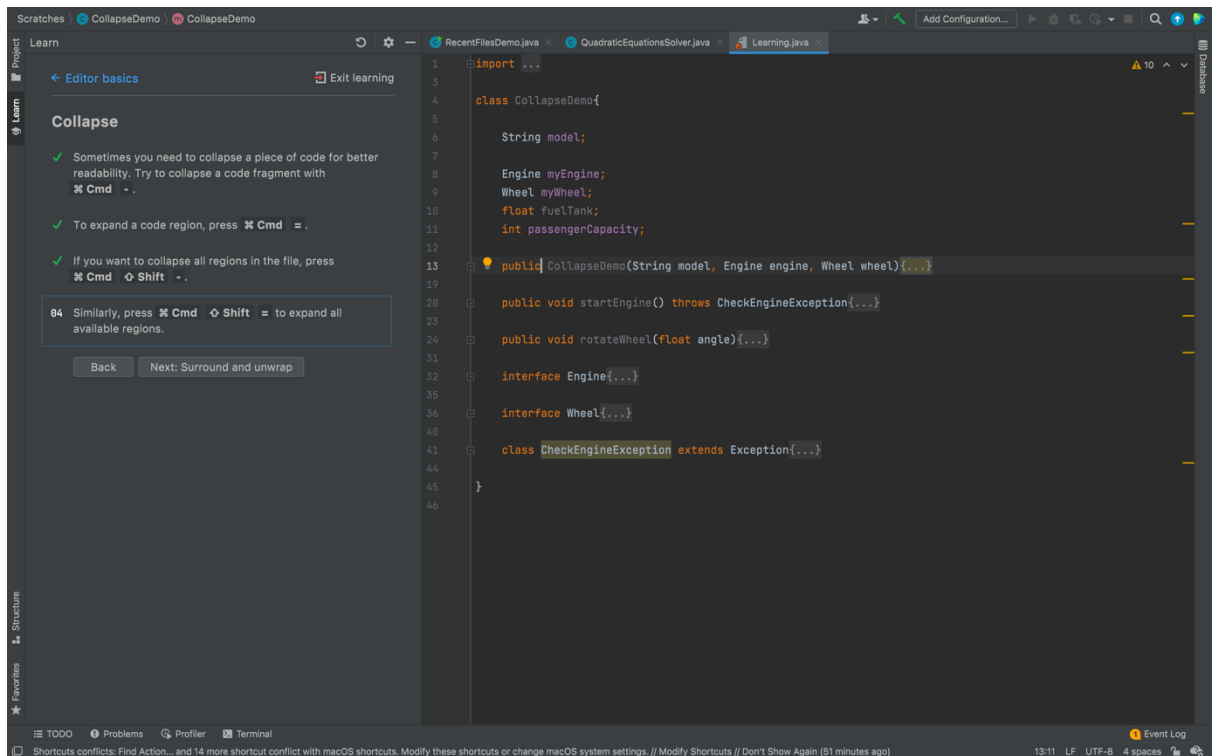


4. A very smart search tool
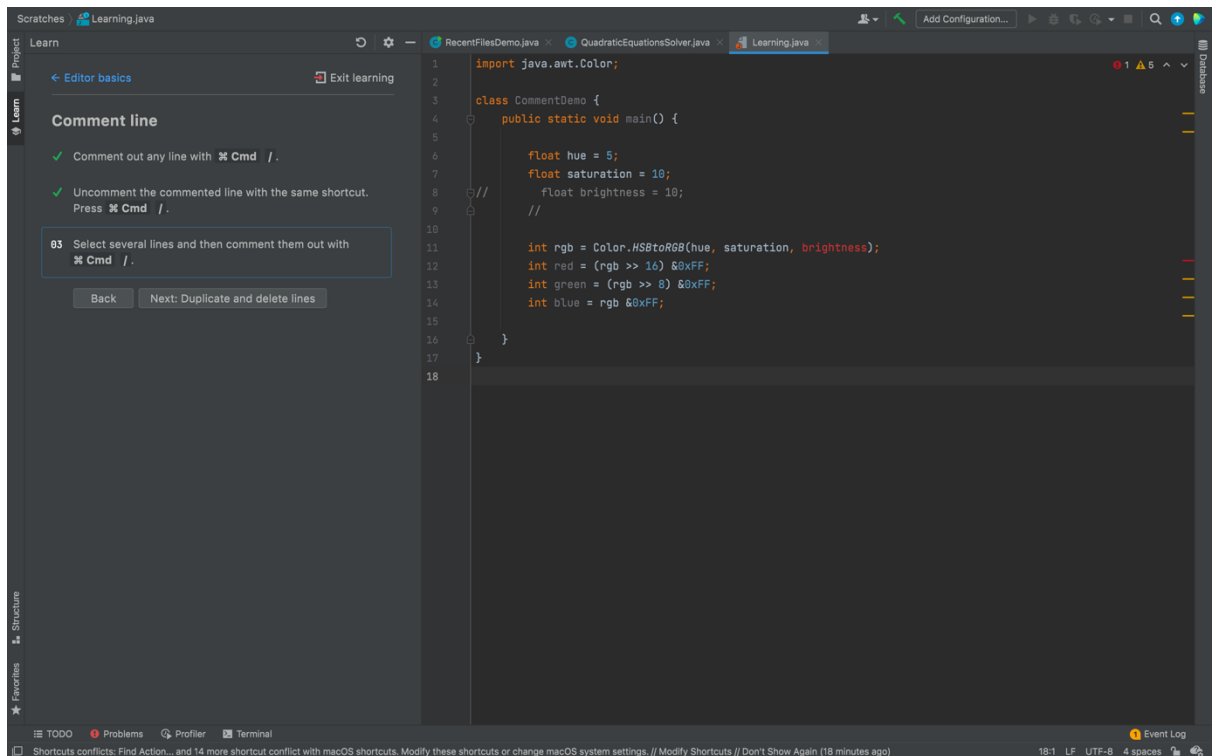
5. Allows you to comment several lines easily
6. Highlight in red the statements with issues



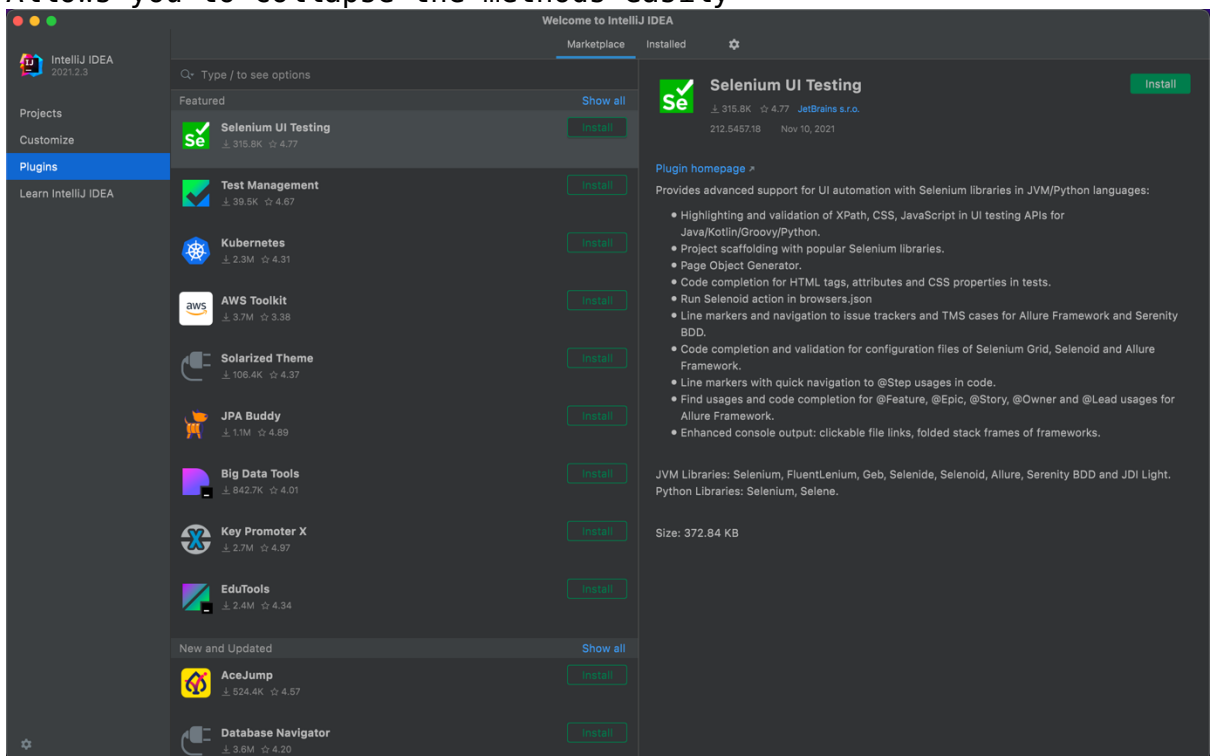7. Has different colours for make the developing process easier (and you can add even more colours with plugins if you want)
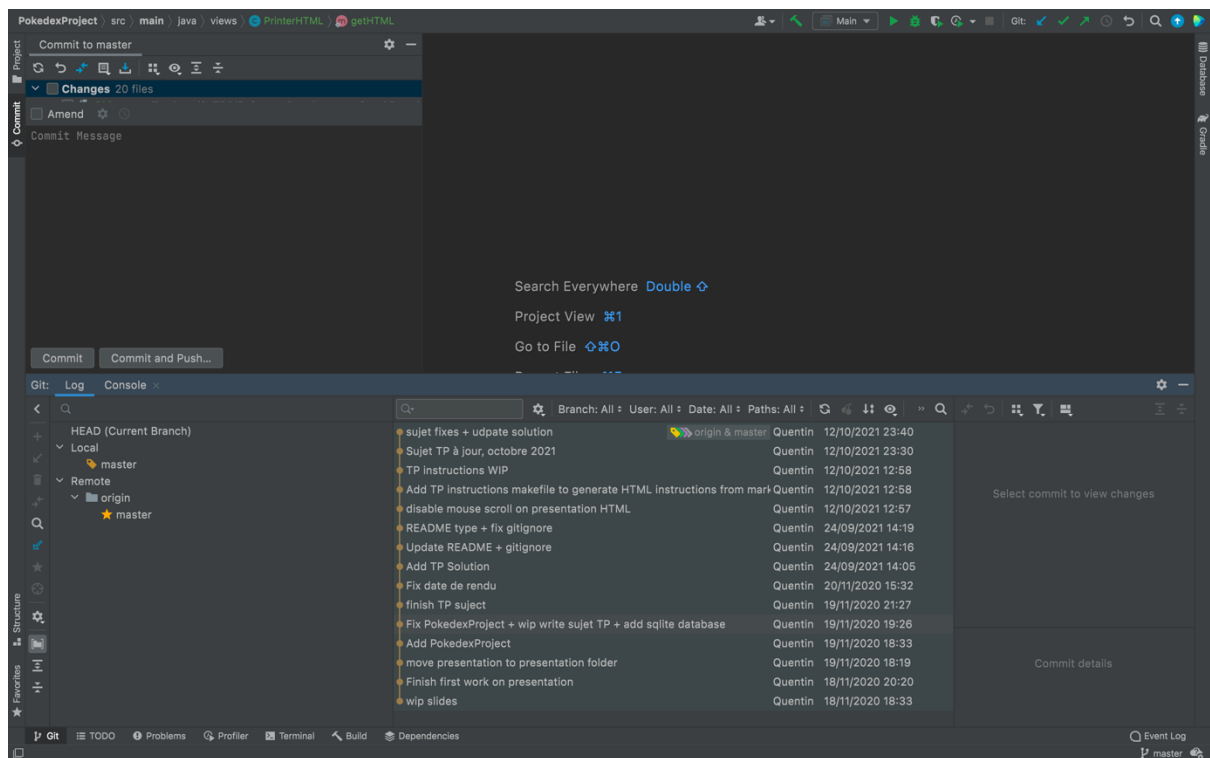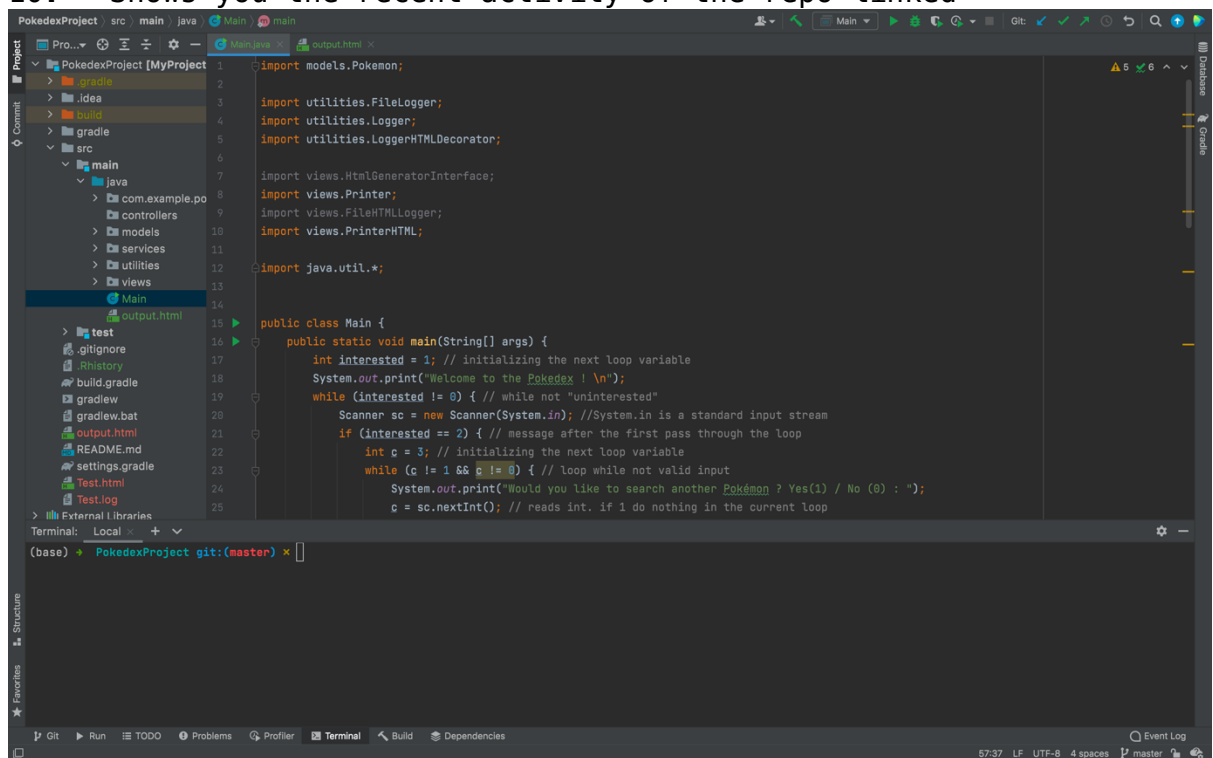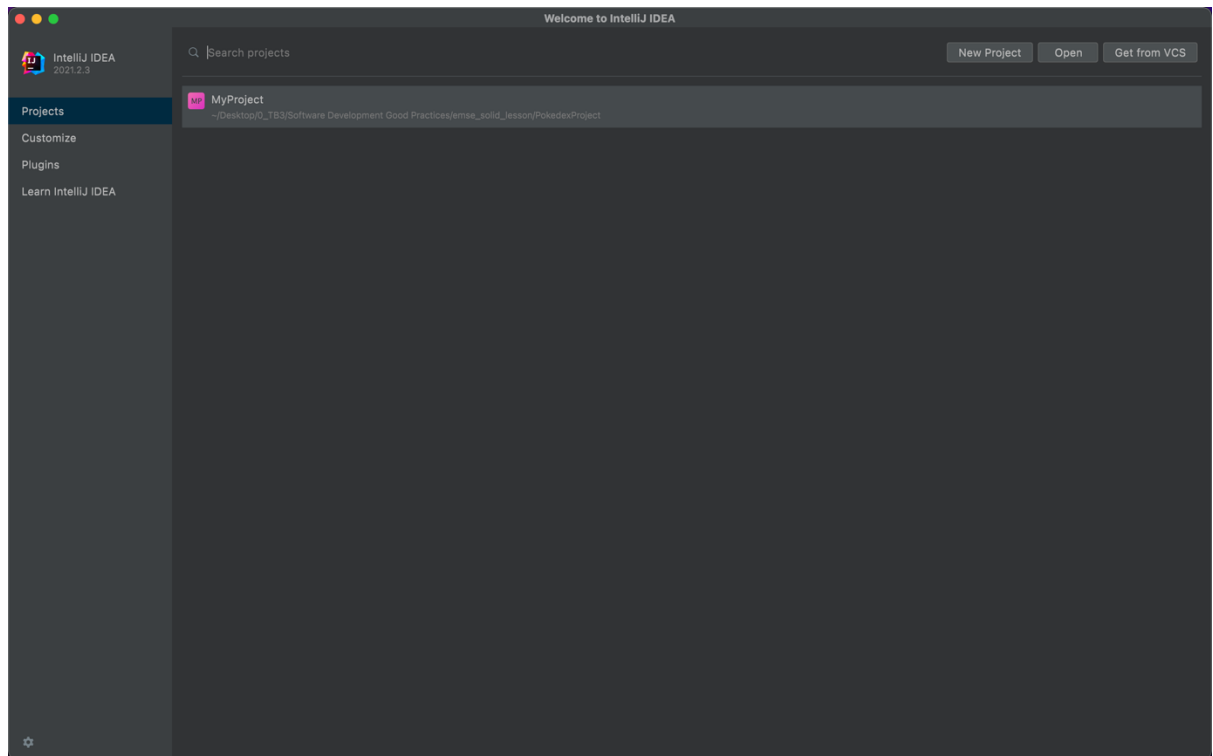
8. Allows you to collapse the methods easily



9. Allows you to install different plugins

10.    Shows you the recent activity of the repo linked



11.    Different icons for the different file types (packages, classes, md files, etc)
12.    Allows you to use the terminal inside the IDE
13.    Shows you in gray the statements that are not in use

14. Provides you easy access to your recent projects and the option to import from VCS