

Clase 1 – Parte 2

Android Studio

Nuevo proyecto



Laboratorio de computación V



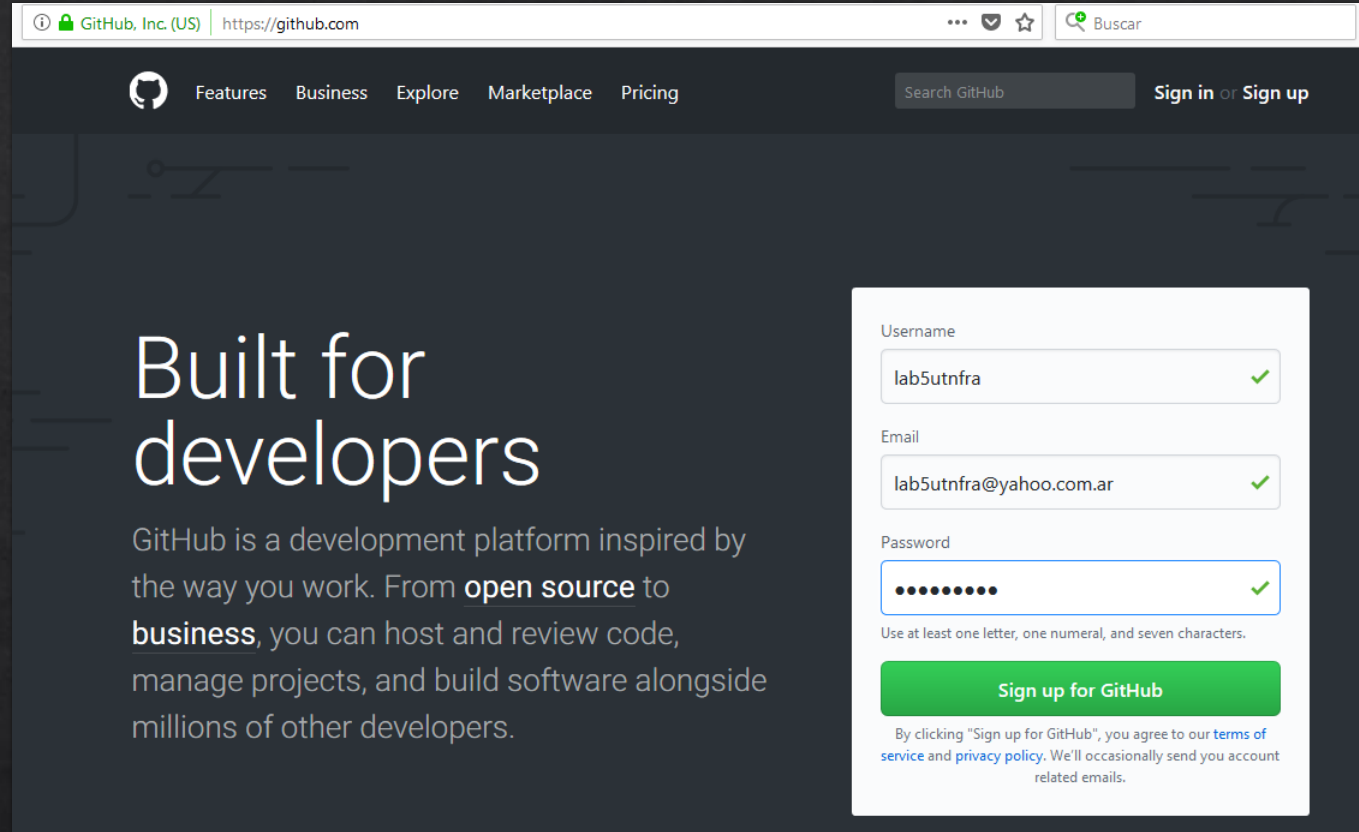
GitHub

Durante toda la cursada trabajaremos con GitHub.

Los proyectos que veamos en clase, deberán subirse mediante Android Studio a GitHub.

El trabajo práctico deberá ser entregado mediante GitHub.

Para trabajar con Android y GitHub, debemos contar con un usuario registrado en la plataforma <https://github.com/>

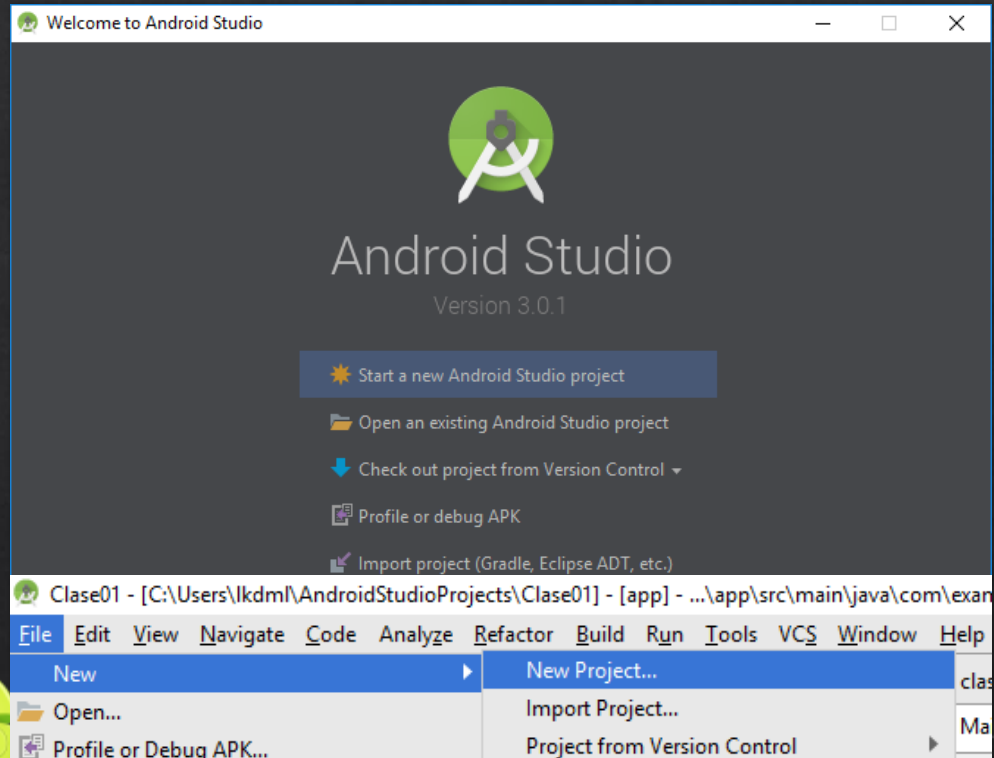


The screenshot shows the GitHub homepage with a sign-up form on the right. The form fields are: Username (lab5utnfra), Email (lab5utnfra@yahoo.com.ar), and Password (masked with dots). Each field has a green checkmark indicating it is valid. Below the password field is a note: "Use at least one letter, one numeral, and seven characters." A green button labeled "Sign up for GitHub" is at the bottom of the form. Below the button is a disclaimer: "By clicking 'Sign up for GitHub', you agree to our terms of service and privacy policy. We'll occasionally send you account related emails." The main content area of the page says "Built for developers" and describes GitHub as a development platform inspired by the way you work, from open source to business.

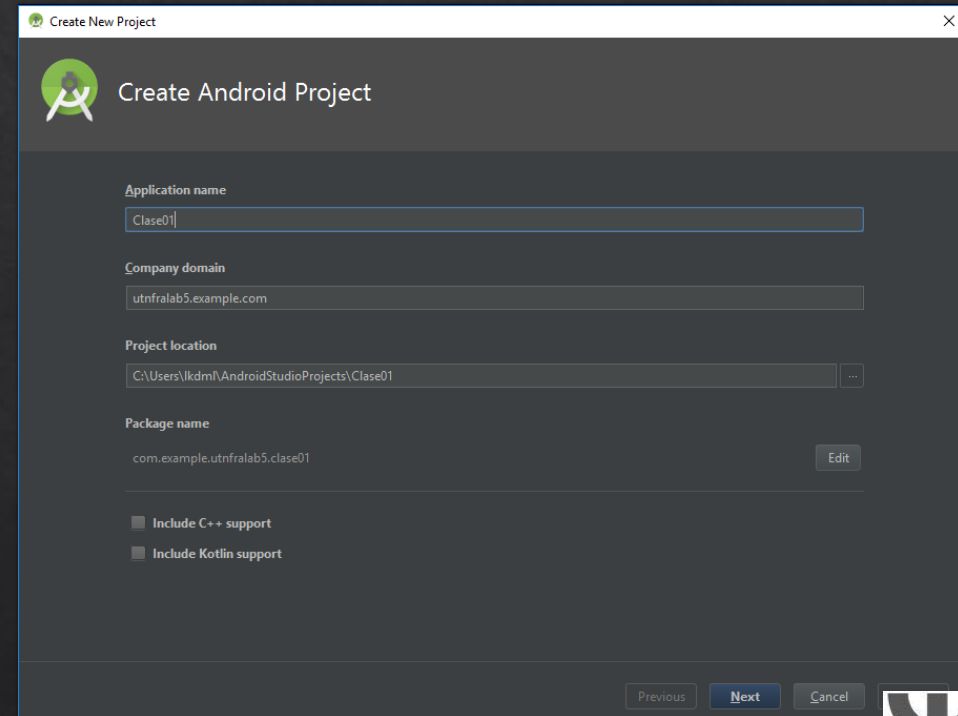


Android Studio

01 - Creamos un nuevo proyecto



02 – Nombres & Ubicación



03 – Dispositivo & API

Create New Project

Target Android Devices

Select the form factors and minimum SDK

Some devices require additional SDKs. Low API levels target more devices, but offer fewer API features.

☒ Phone and Tablet

API 19: Android 4.4 (KitKat)

By targeting API 19 and later, your app will run on approximately 90.1% of devices. [Help me choose](#)

☐ Include Android Instant App support

☐ Wear

API 21: Android 5.0 (Lollipop)

☐ TV

API 21: Android 5.0 (Lollipop)

☐ Android Auto

☐ Android Things

API 24: Android 7.0 (Nougat)

Previous Next Cancel Finish

Android Platform/API Version Distribution

ANDROID PLATFORM VERSION	API LEVEL	CUMULATIVE DISTRIBUTION
4.0 Ice Cream Sandwich	15	
4.1 Jelly Bean	16	99,2%
4.2 Jelly Bean	17	96,0%
4.3 Jelly Bean	18	91,4%
4.4 KitKat	19	90,1%
5.0 Lollipop	21	71,3%
5.1 Lollipop	22	62,6%
6.0 Marshmallow	23	39,3%
7.0 Nougat	24	8,1%
7.1 Nougat	25	1,5%

<https://developer.android.com/about/versions/android-4.4.html>

KitKat

Printing Framework

- Print generic content
- Print images
- OEM print services

SMS Provider

- Read and write SMS and MMS messages
- Select default SMS app

Wireless and Connectivity

- Host NFC card emulation
- NFC reader mode
- Infrared support

Multimedia

- Adaptive video playback
- On-demand audio timestamps
- Surface image reader
- Peak and RMS audio measurements
- Loudness enhancer
- Remote controllers
- Closed captions

Animation and Graphics

- Scenes and transitions
- Animator pausing
- Reusable bitmaps

User Content

- Storage access framework
- External storage access
- Sync adapters

User Input

- New sensor types, including step detector
- Batched sensor events
- Controller identities

User Interface

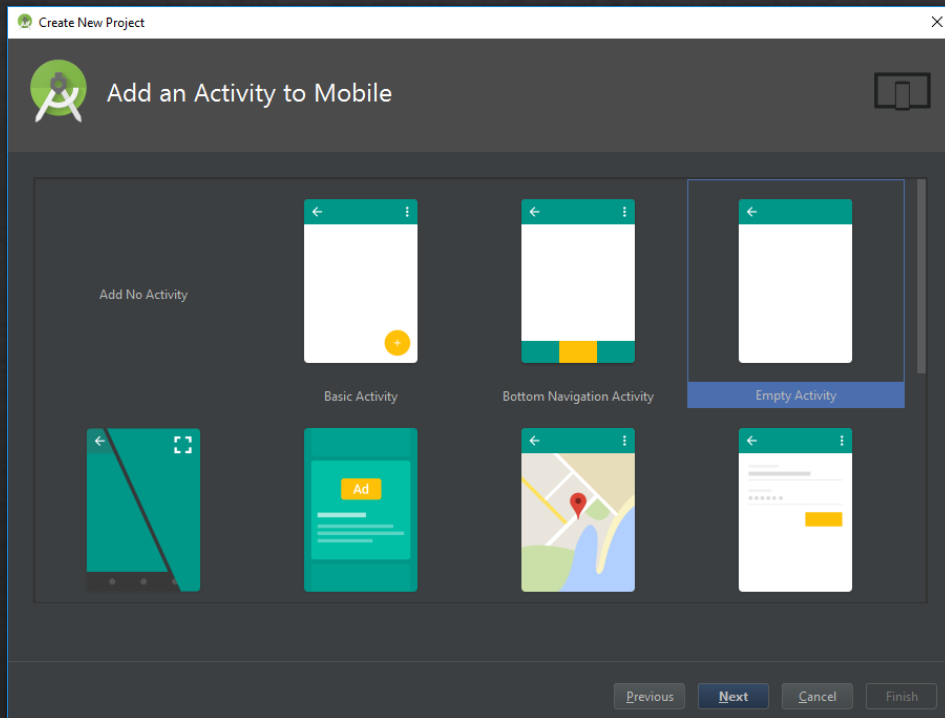
- Immersive full-screen mode
- Translucent system bars
- Enhanced notification listener
- Live regions for accessibility

OK Cancel

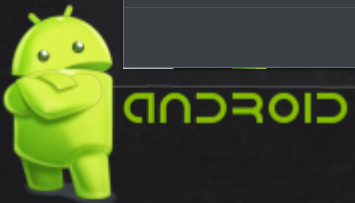
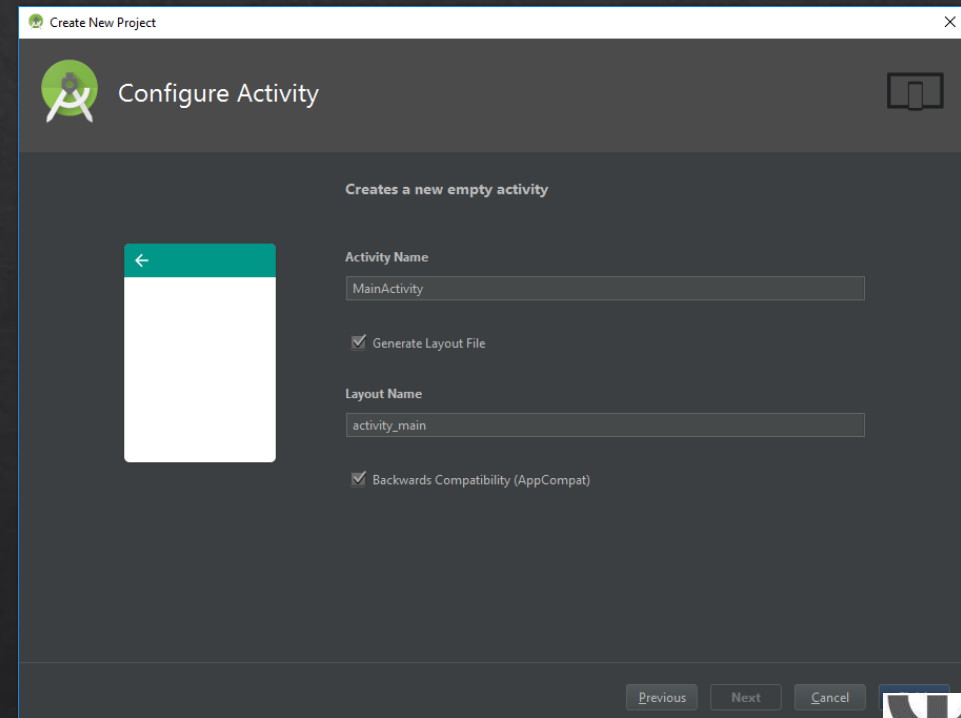


Android Studio

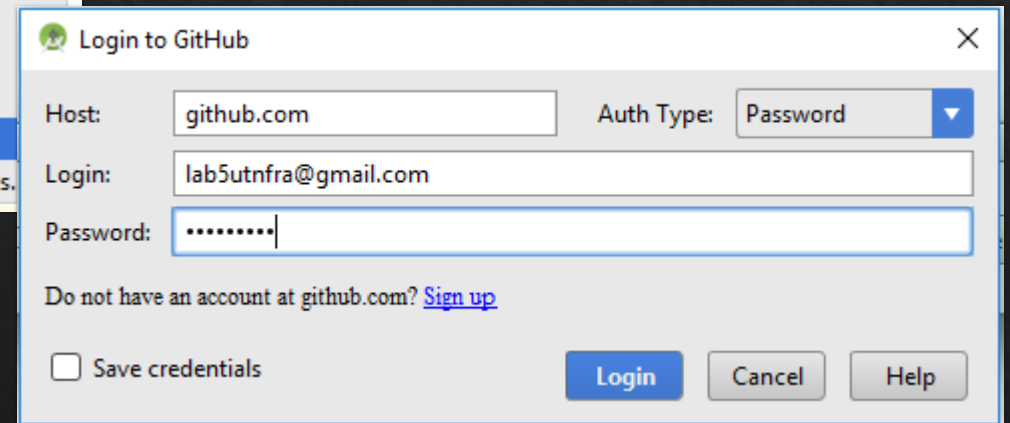
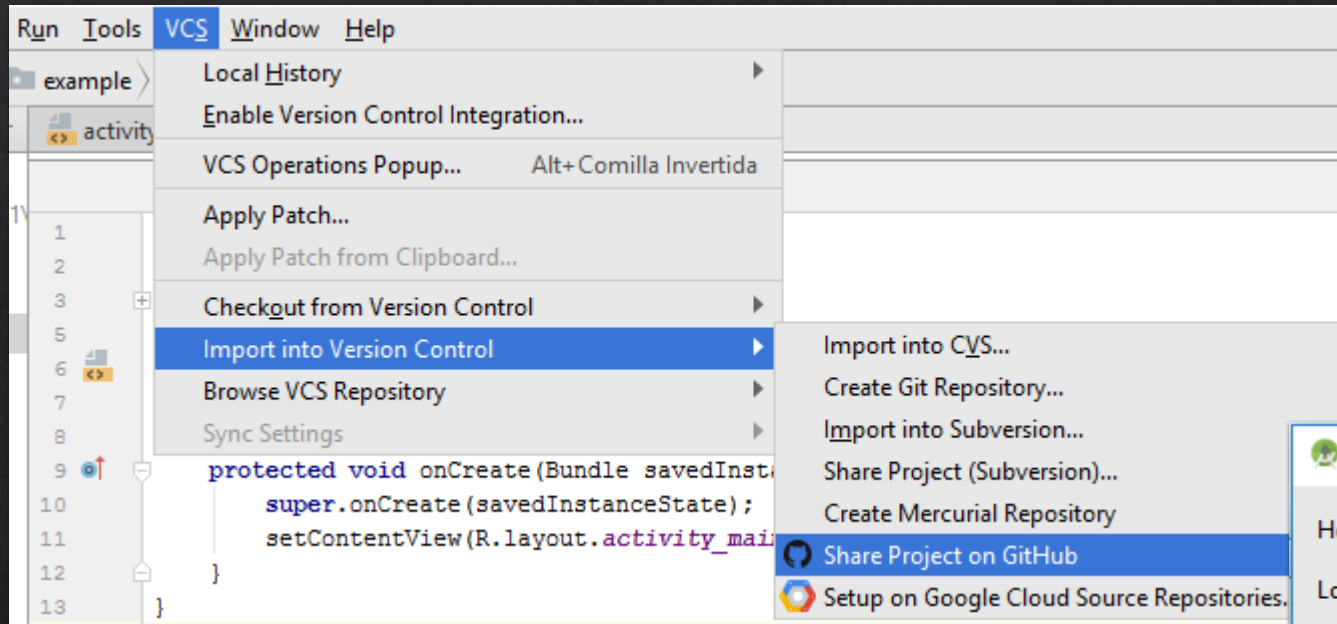
04 – Agregamos una Actividad



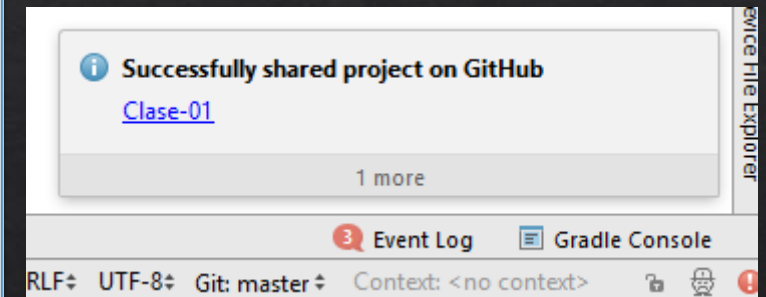
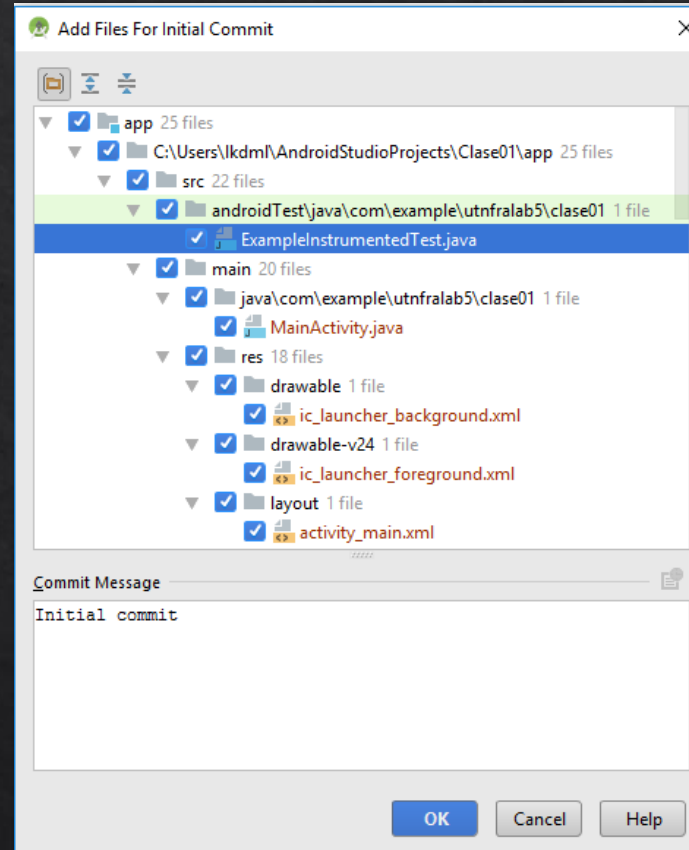
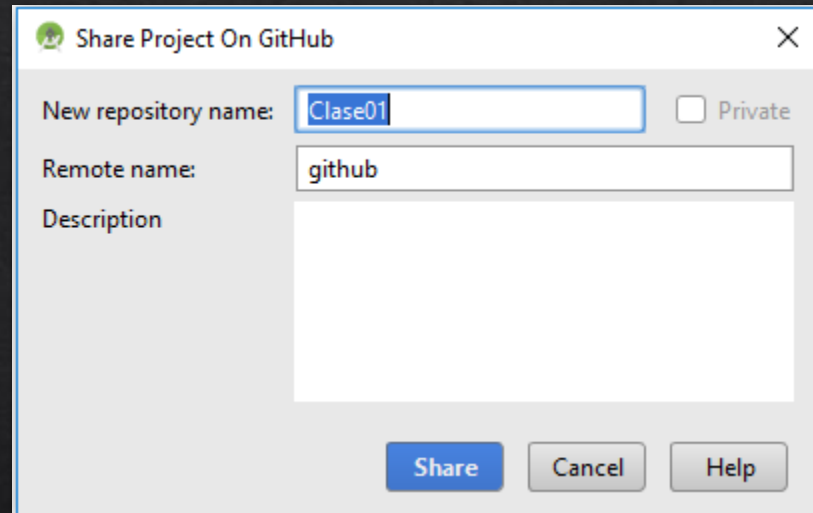
05 – Nombre de la Actividad



Importar a GitHub.

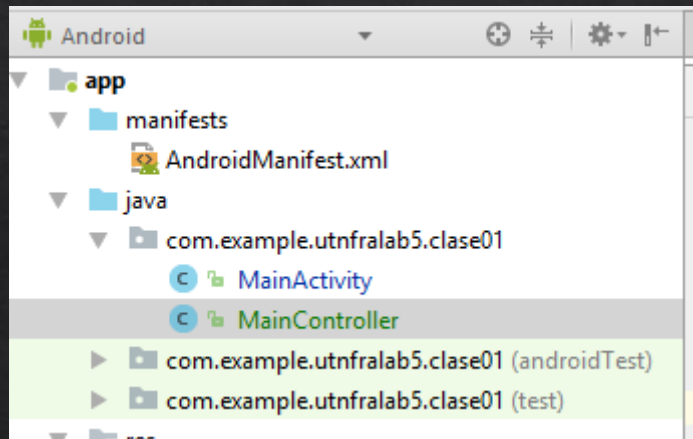


Importar a GitHub.



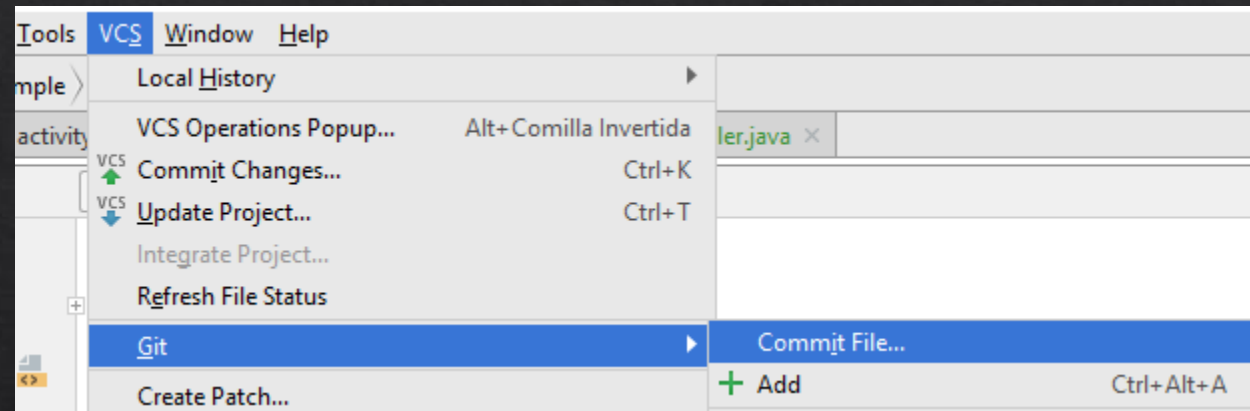
Guardar los cambios en el repositorio.

Creamos un nuevo Archivo



- Marón: Sin seguimiento / Desconocido
- Azul: Con seguimiento y sin cambios
- Verde: En área de preparación.

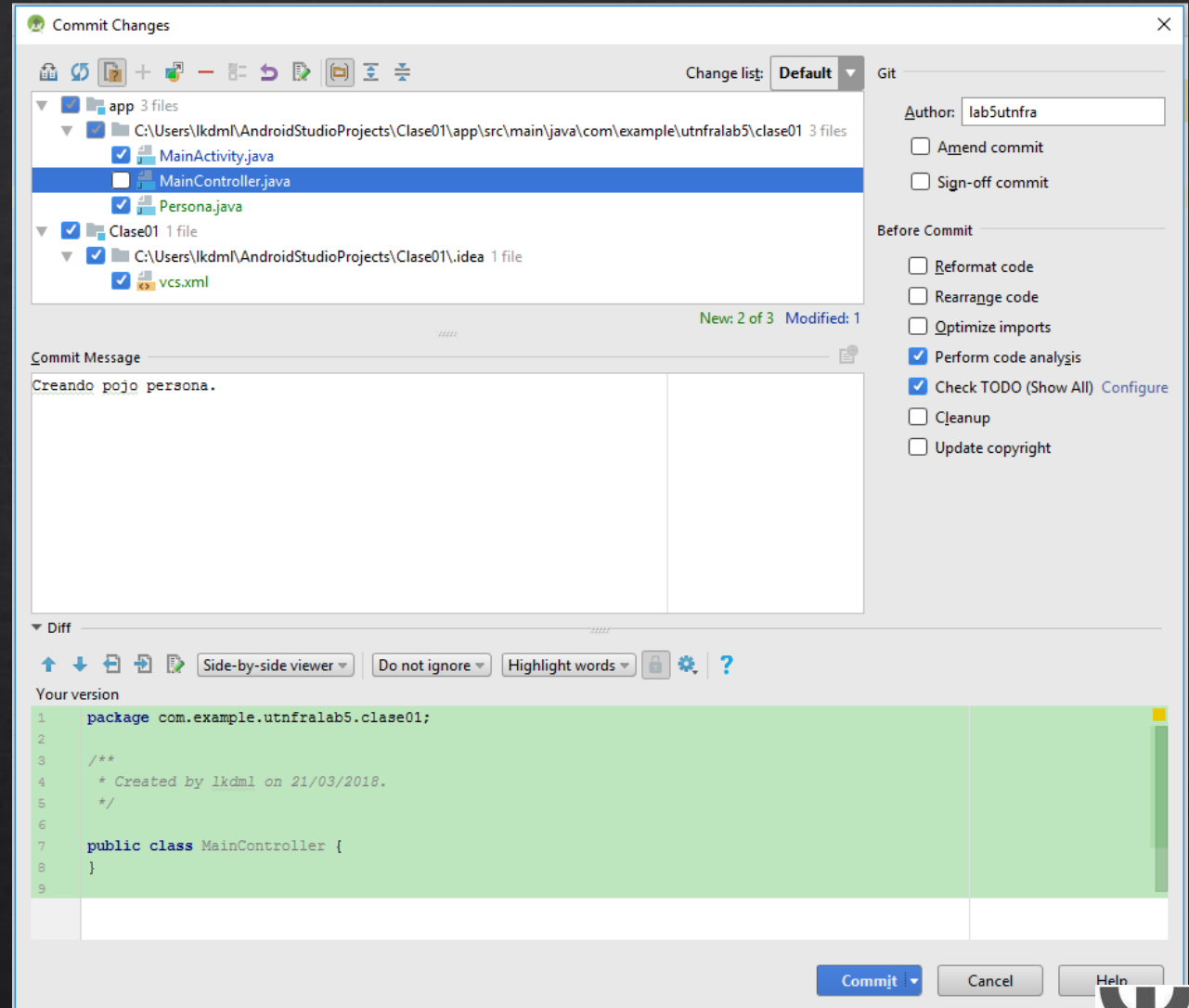
Agregamos los cambios al repositorio con Git Add, o bien realizamos directamente un commit.



Guardar los cambios en el repositorio.

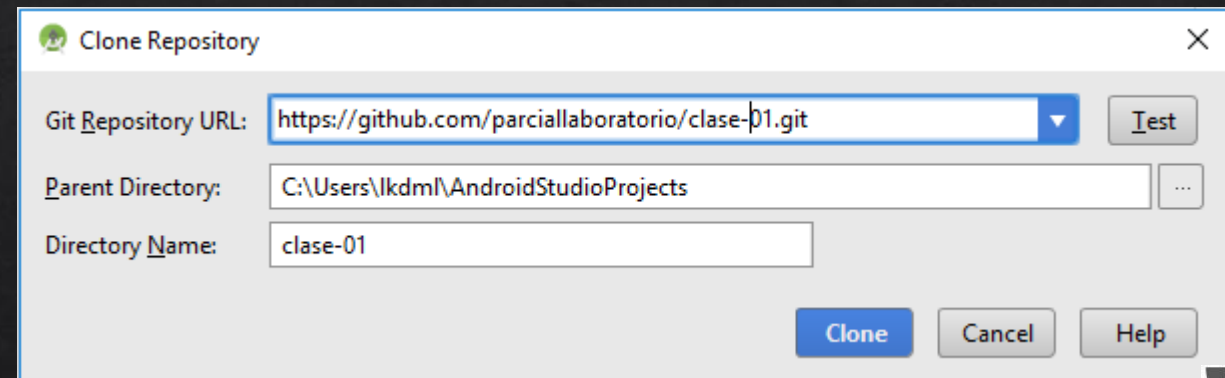
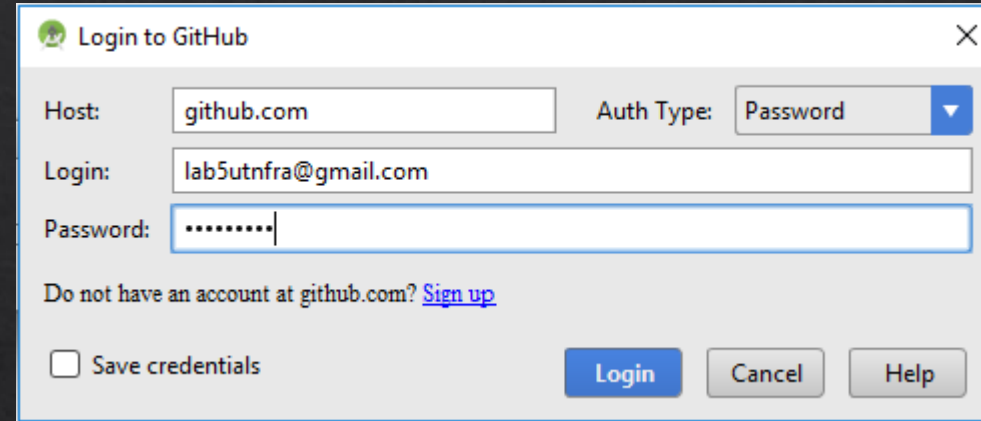
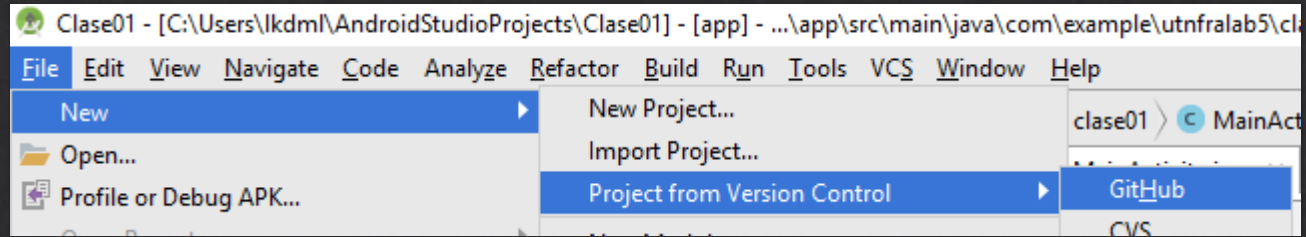
1. Tildar todos los archivos que queremos subir.
2. Completar el Autor
3. Completar un Mensaje para el Commit
4. Realizar Commit o Commit & Push para subir los cambios.

*Tener en cuenta que siempre tenemos que realizar un pull primero para asegurarnos de tener la ultima versión.

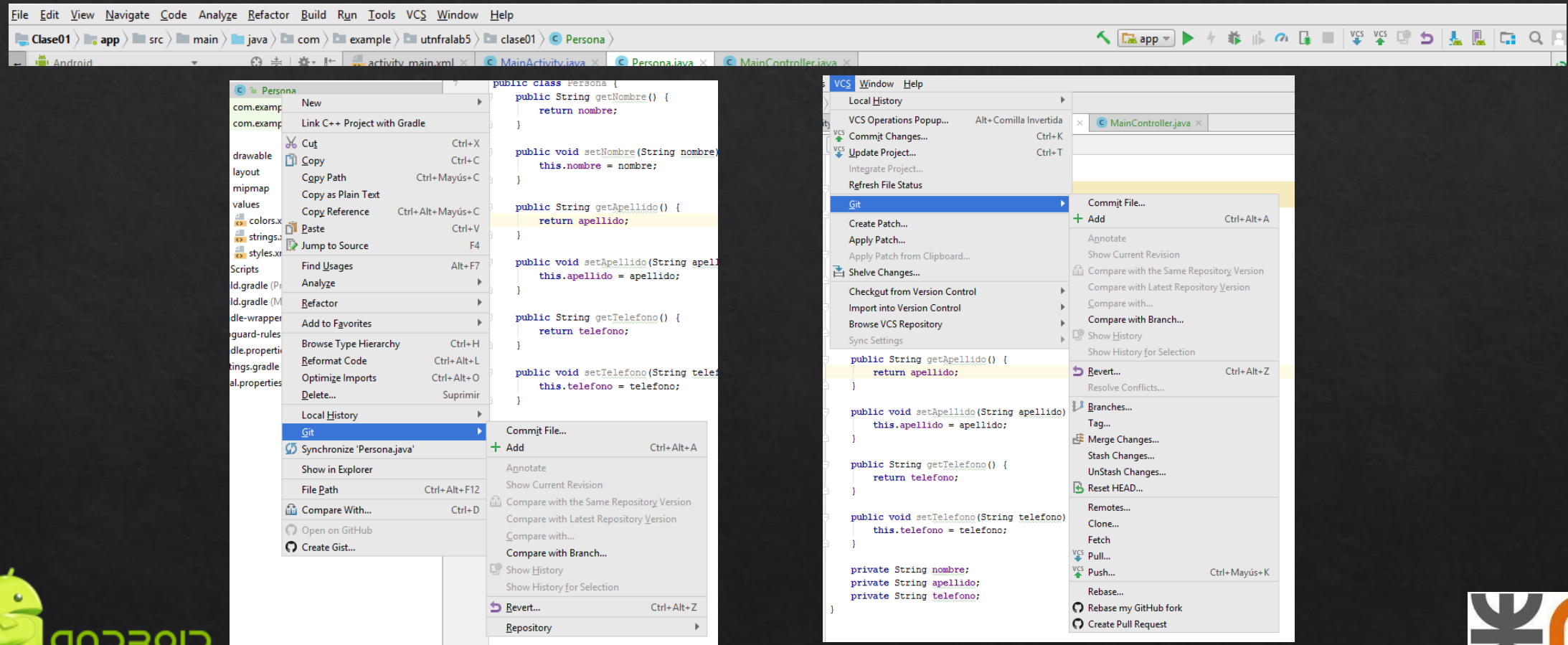


Clonar un proyecto desde GitHub.

1. Archivo -> Nuevo -> Proyecto desde Control de versiones -> GitHub
2. Completar el login con los datos solicitados de nuestro usuario.
3. Seleccionar del combo desplegable el repositorio que queremos clonar.
4. Completar la ubicación destino y el nombre del directorio final.
5. Clonar.



Otros accesos al VCS.



Fin.



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