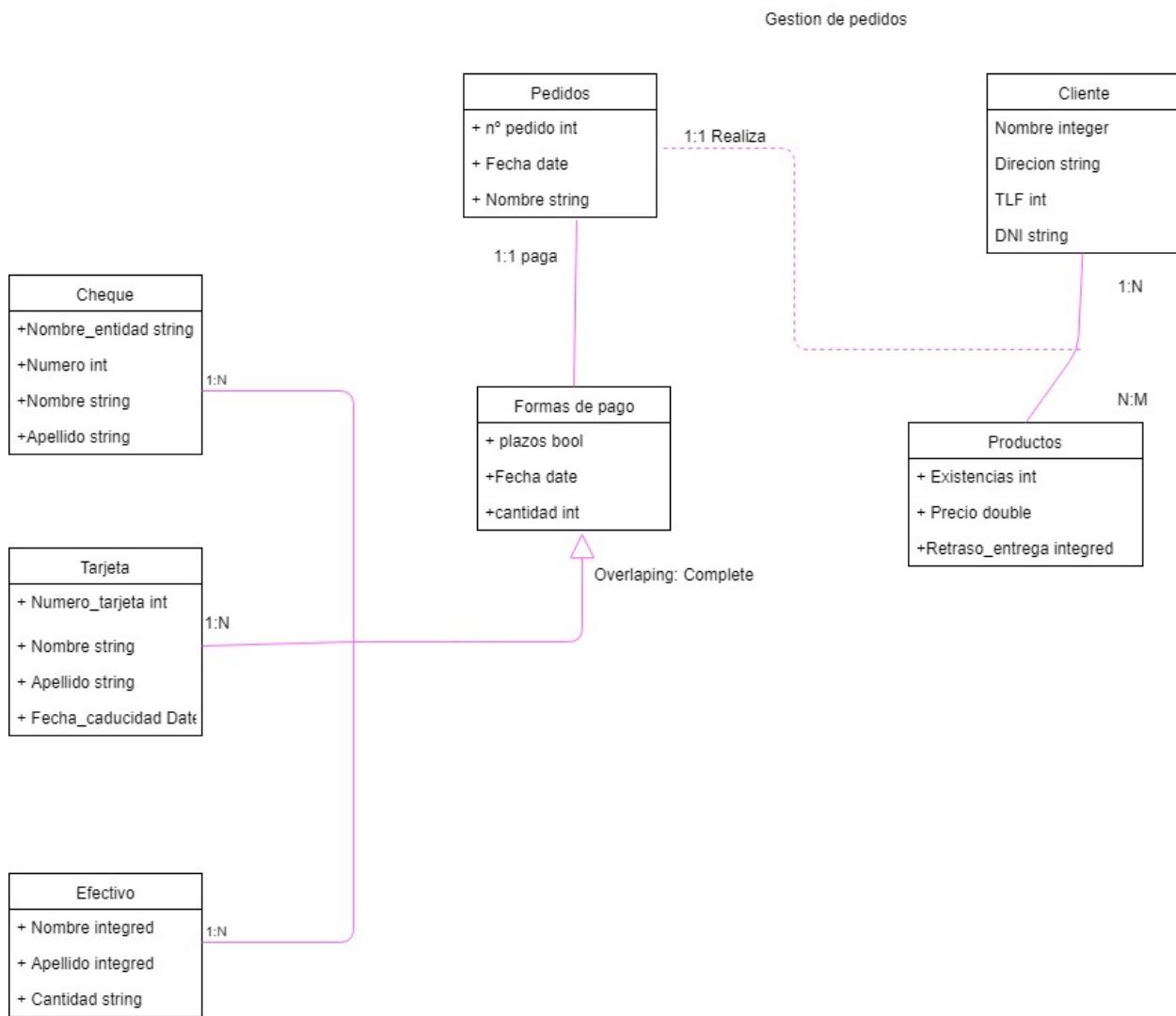
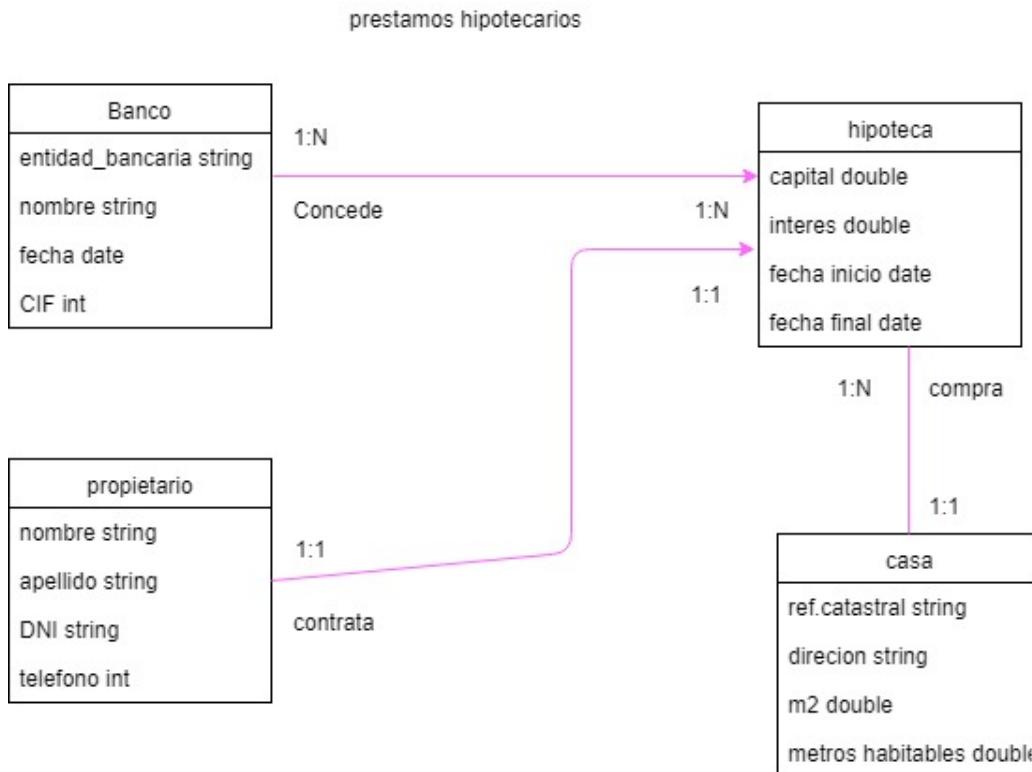


1. Se desea la creación de un diagrama de clases de gestión de pedidos.

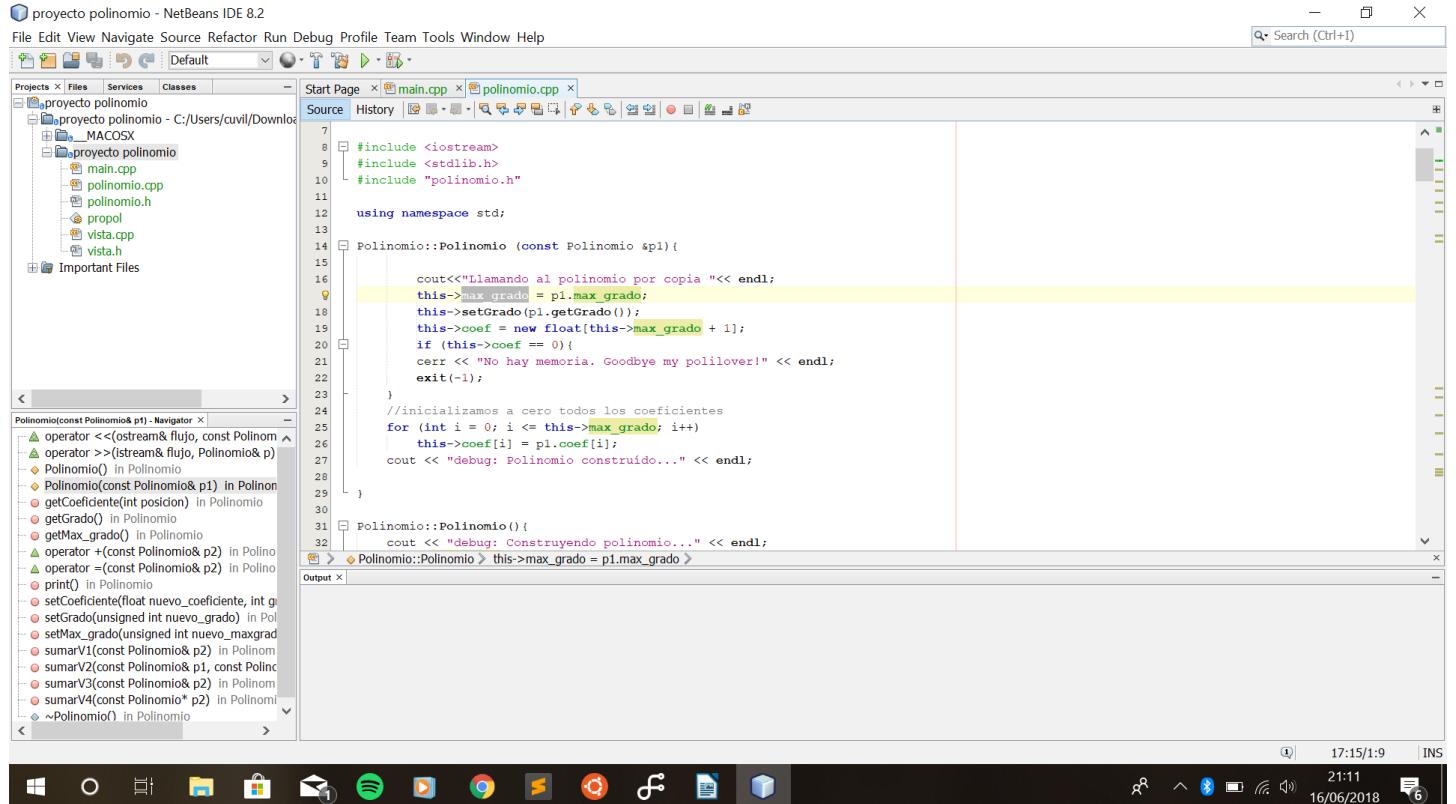


2. Realizar un diagrama de clases de gestión de prestamos.



Refactorización vamos a cambiar la variable max_grado por maximo_grado.

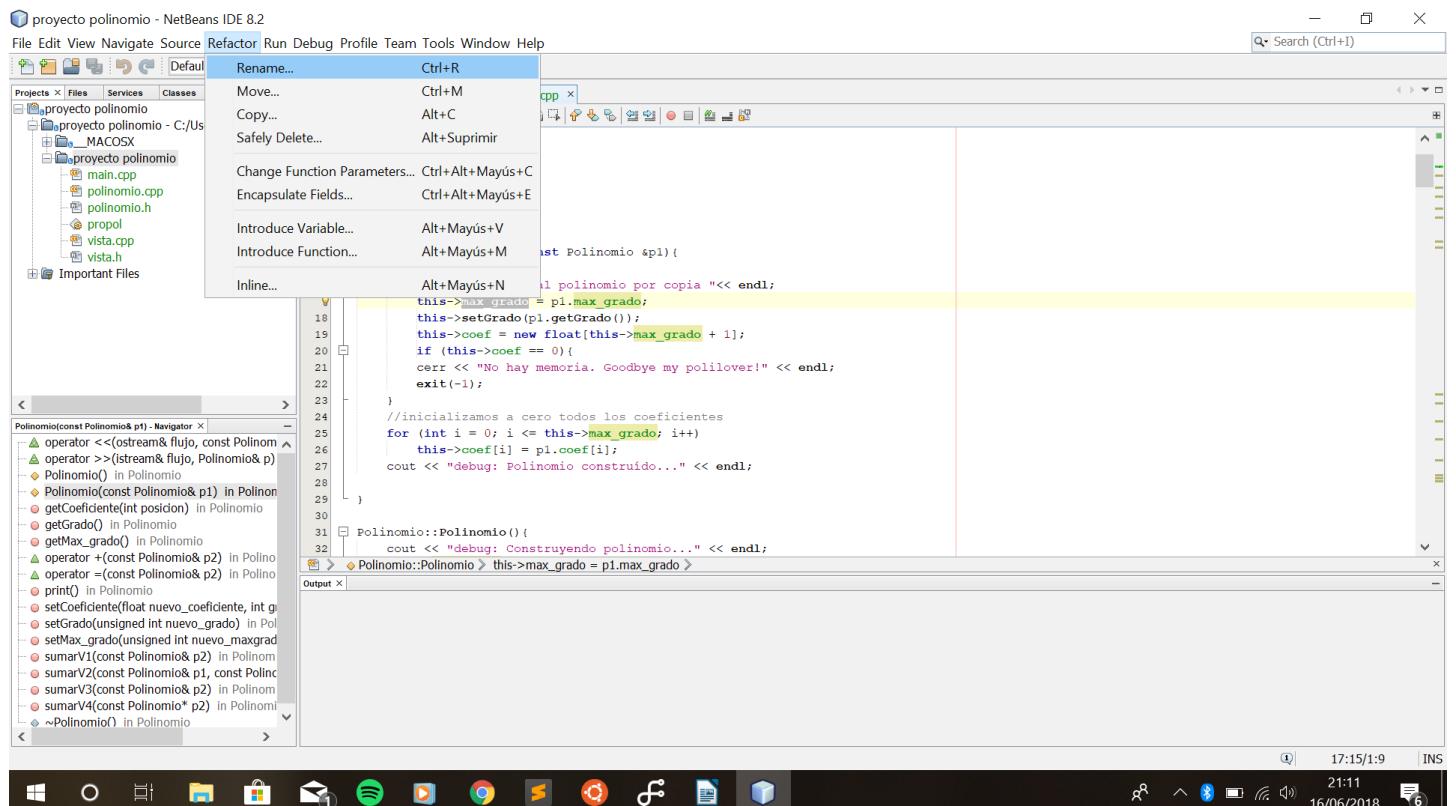
1 Sin cambiar, señalamos la variable que queremos cambiar el nombre



The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** proyecto polinomio - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Code Editor:** The main window displays the file `polinomio.cpp`. The line `this->max_grado = pl.max_grado;` is highlighted in yellow, indicating it is selected for refactoring.
- Project Explorer:** Shows the project structure with files `main.cpp`, `polinomio.cpp`, `polinomio.h`, `propol`, `vista.cpp`, and `vista.h`.
- Navigator:** Shows a list of symbols and functions related to the current file.
- Output:** An empty output window.
- System Tray:** Shows the date and time (16/06/2018, 21:11) and some system icons.

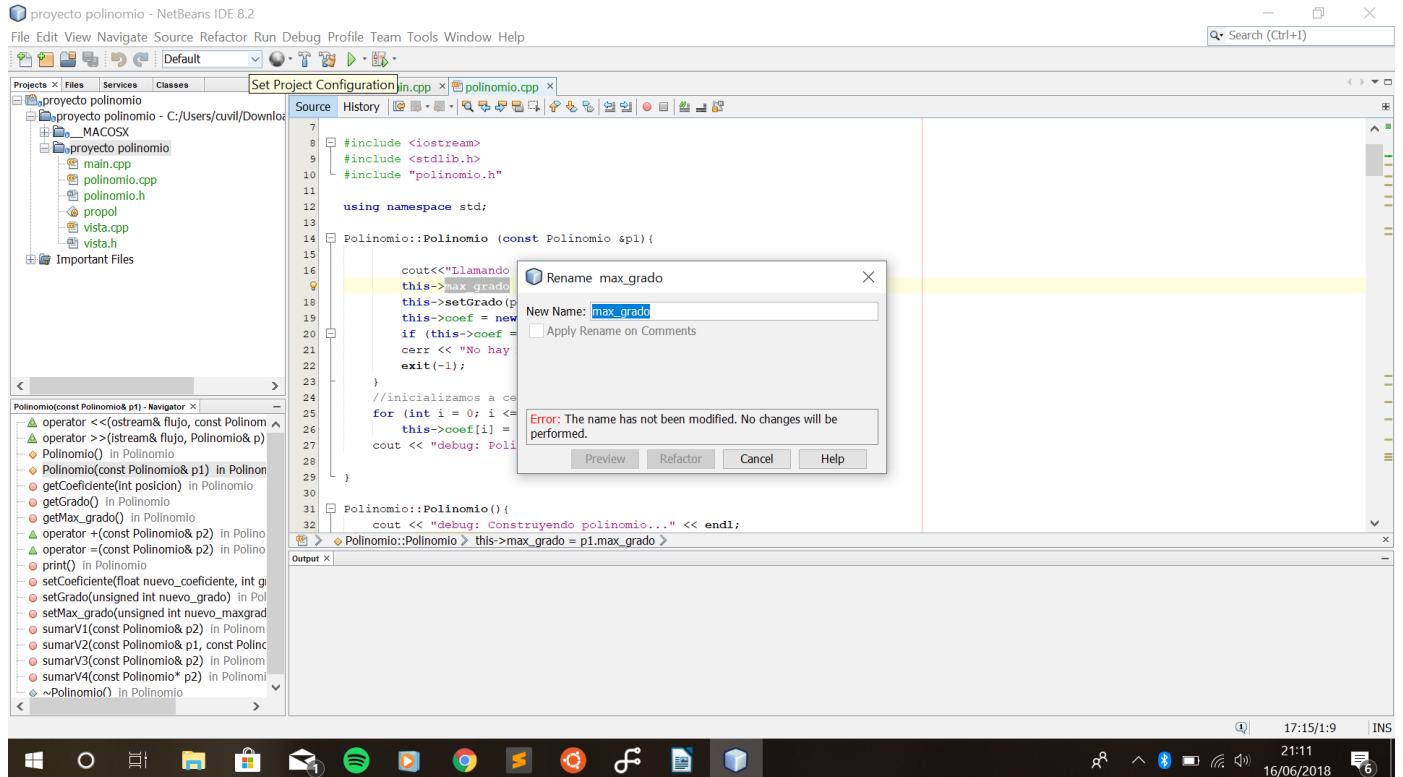
2. Donde se refactoriza



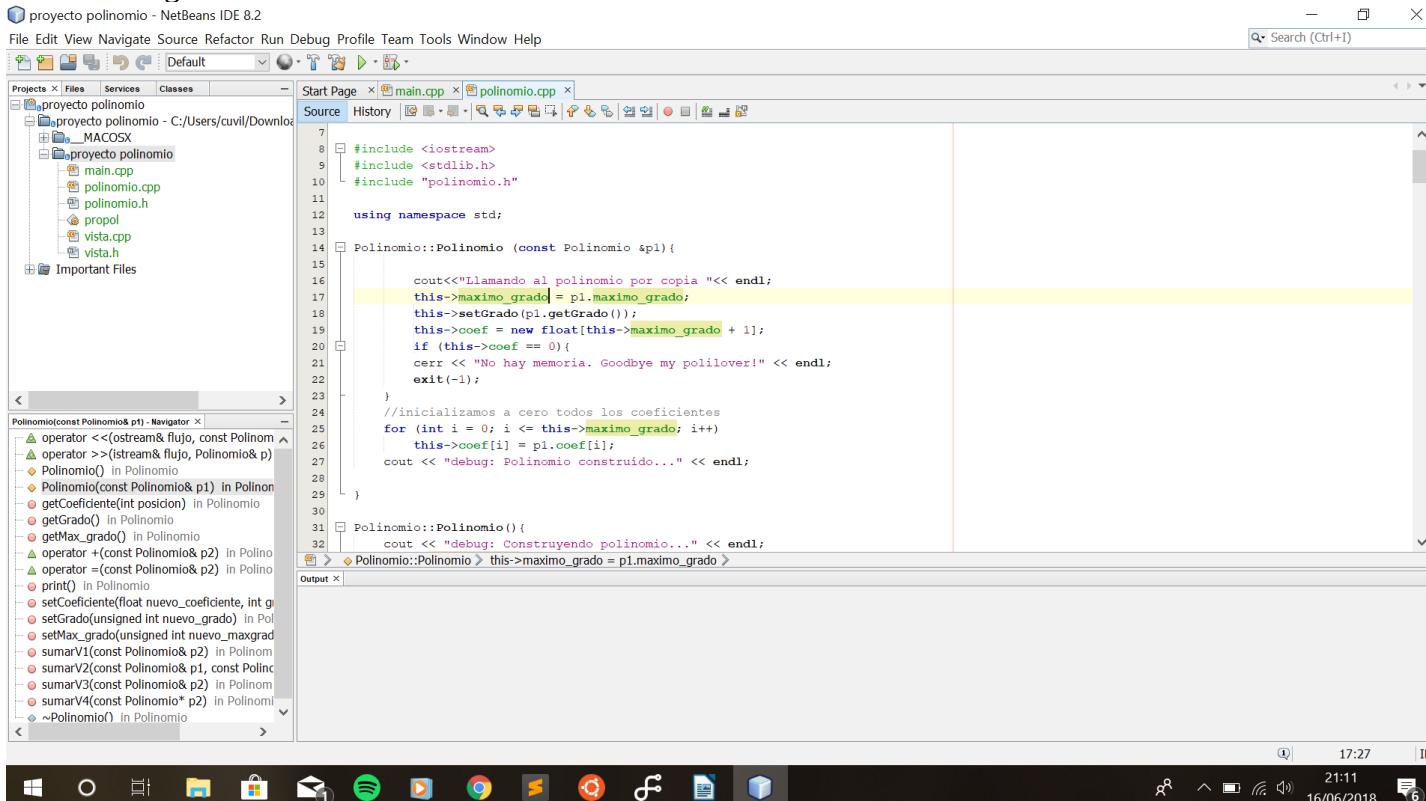
The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** proyecto polinomio - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source **Refactor** Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Code Editor:** The main window displays the file `polinomio.cpp`. The line `this->max_grado = pl.max_grado;` is highlighted in yellow, indicating it is selected for refactoring.
- Project Explorer:** Shows the project structure with files `main.cpp`, `polinomio.cpp`, `polinomio.h`, `propol`, `vista.cpp`, and `vista.h`.
- Refactor Context Menu:** A dropdown menu is open over the highlighted code, showing options like Rename..., Move..., Copy..., etc.
- Output:** An empty output window.
- System Tray:** Shows the date and time (16/06/2018, 21:11) and some system icons.

3 . Cual es el nombre nuevo



4. Imagen con la variable renombrada



2.

Descripción de doxygen.

Doxygen es una herramienta que facilita inculcar el hábito de especificar antes de implementar en los programadores novatos. Tiene la cualidad de que funciona para muchos lenguajes y plataformas. Nos permite hacer una pagina con los módulos comentados para explicar que hacen, nos muestra las clases, variables, funciones, también nos hace un diagrama de clases.

Configuración de doxygen en netbeans

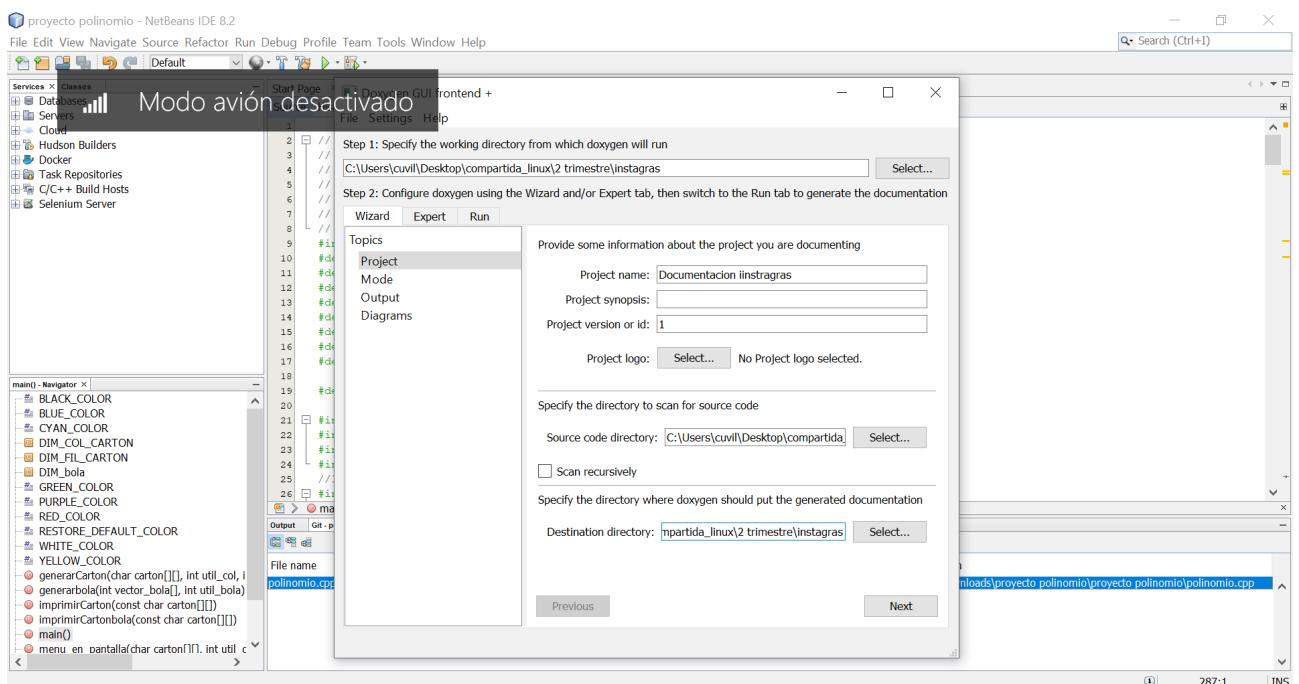
1 Descargar

www.stack.nl/~dimitri/doxygen/download.html

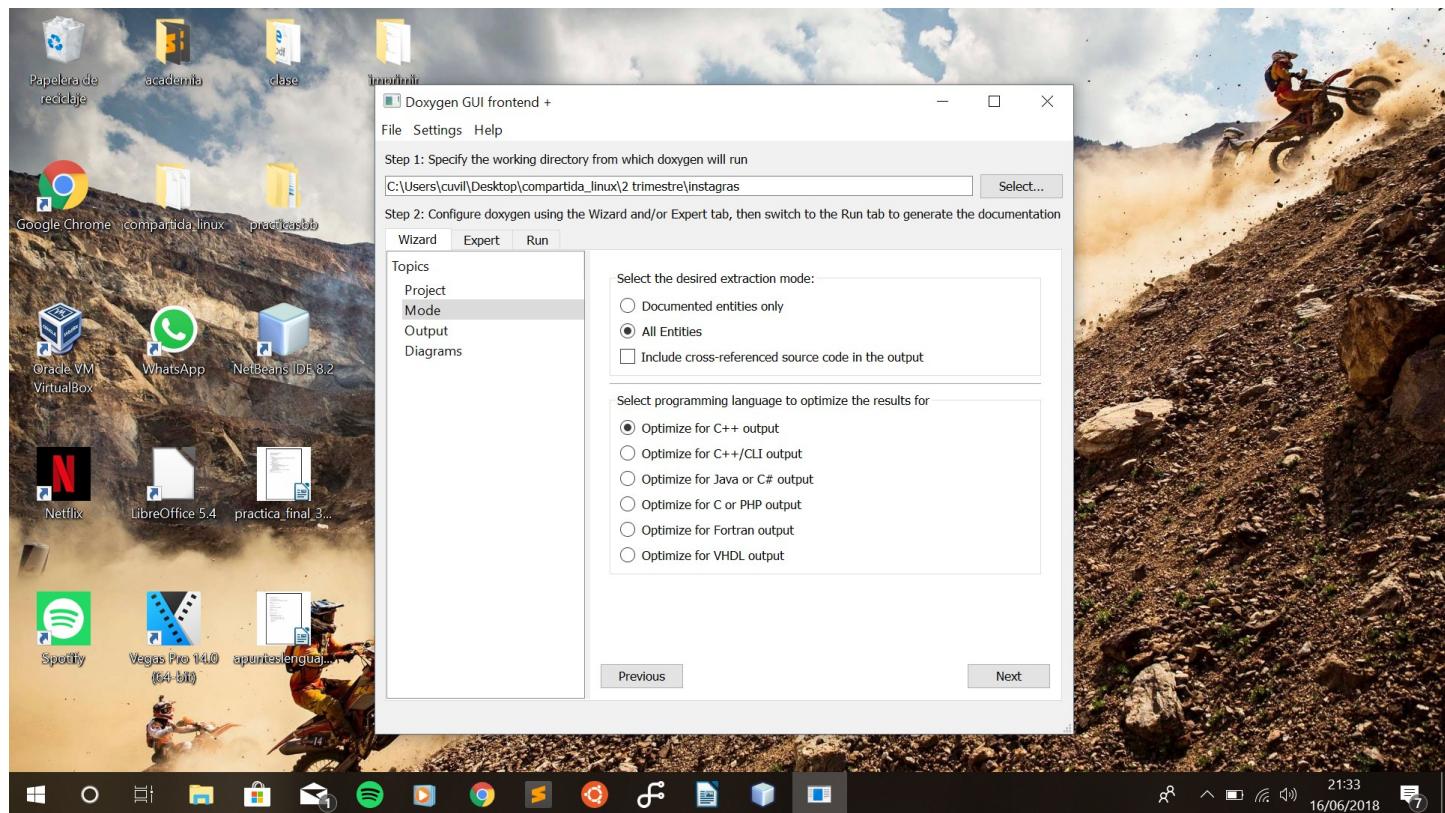
The screenshot shows the official Doxygen download page. It features a navigation bar with links for Documentation, Extensions, and Support. Below the navigation is a section titled "GIT binaries" which notes that Windows binaries for the latest tagged releases are sometimes available as well. A large section titled "Sources and Binaries" contains three main distribution categories: "Latest release", "A binary distribution for Linux x86-64", and "A binary distribution for Windows". Each category lists a specific tarball file (doxygen-1.8.14.src.tar.gz, doxygen-1.8.14.linux.bin.tar.gz, or doxygen-1.8.14-setup.exe) with download links via FTP and HTTP. The "Windows" section also mentions that all versions of Windows since XP are supported. A note at the bottom indicates that the Windows archive includes the HTML version of the manual but not the GUI frontend.

1. instalamos doxygen es sencillo una vez descargado.

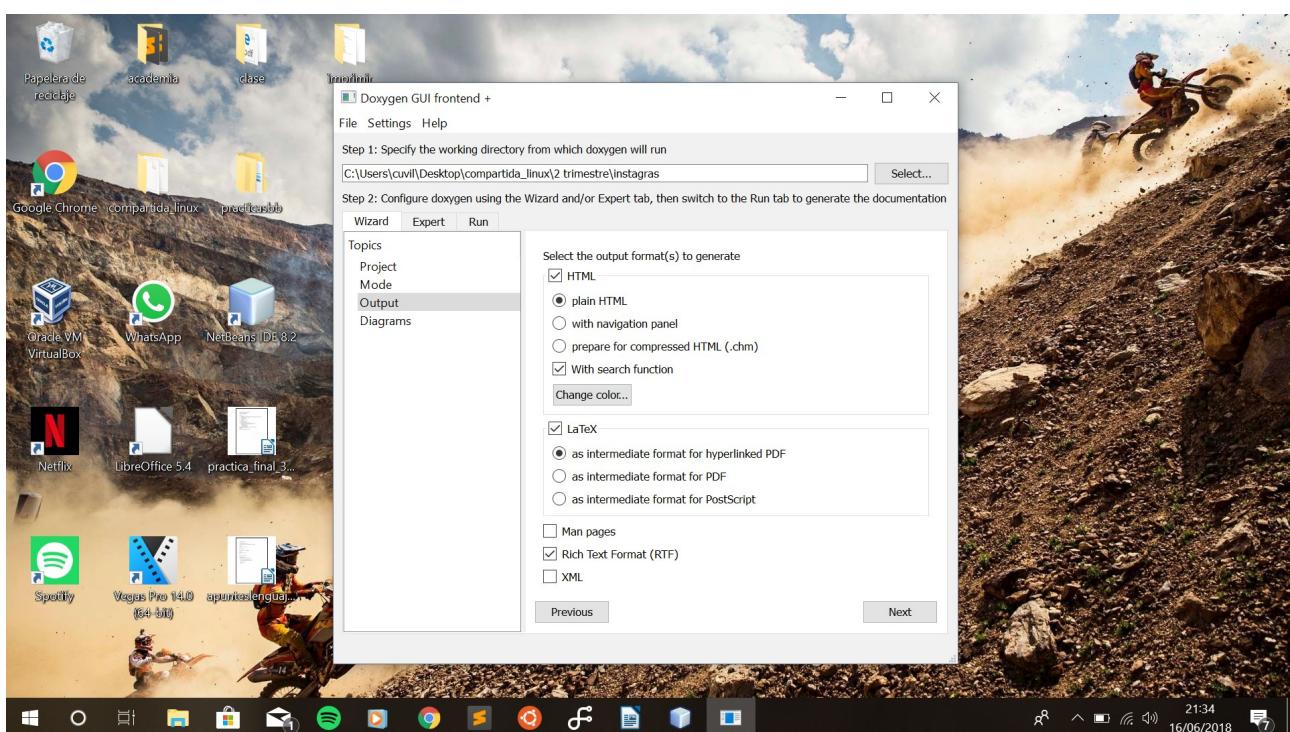
Insertamos el archivo, la versión, donde esta y donde va a salir



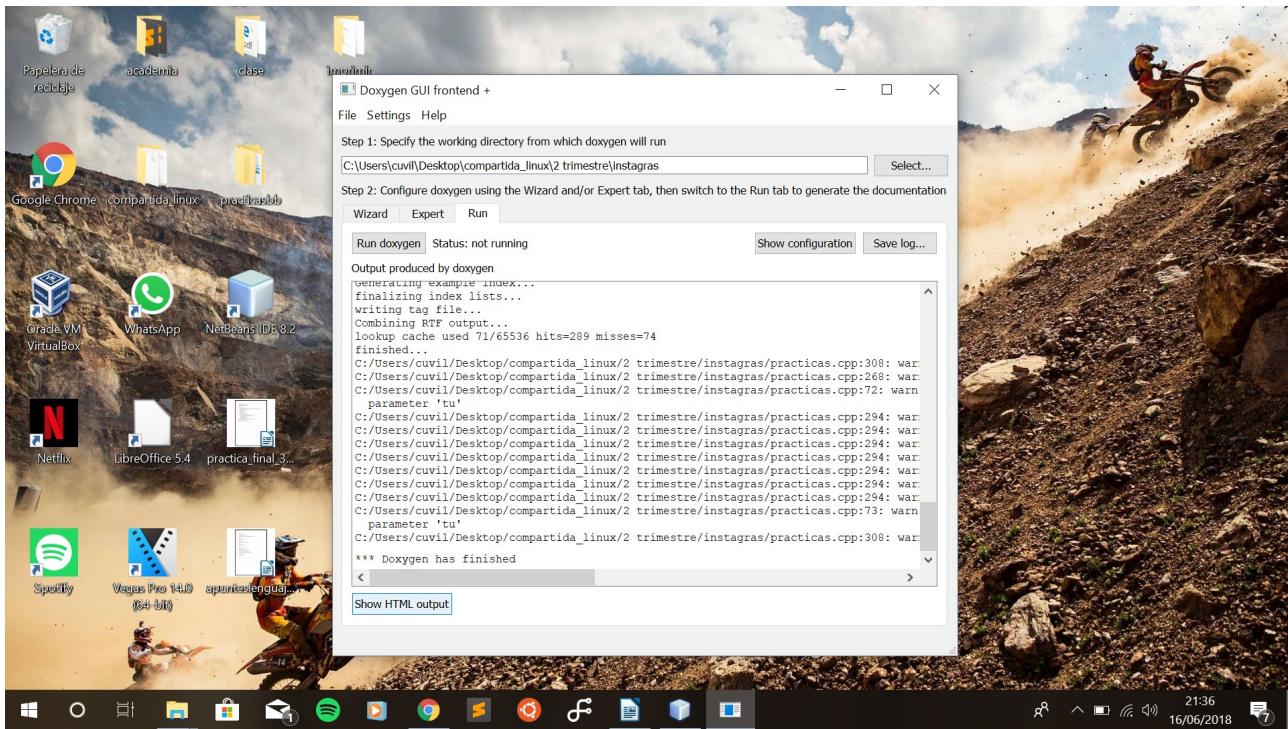
2. le indicamos el lenguaje



3 Seleccionamos el formato y si queremos un pdf con látex



4. Ejecutamos y abrimos nuestro HTML



código con los comentarios

@param... @pre

proyecto polinomio - NetBeans IDE 8.2

The screenshot shows the NetBeans IDE 8.2 interface. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The title bar says "newfile.cx". The main area has a code editor with C++ code. The code includes annotations like "@param", "@pre", and color-coded comments. The Services tab on the left lists databases, servers, and cloud services. The Navigator tab shows a list of functions and variables. The Output tab at the bottom shows the file "polinomio.cpp" with status "-/Added" and path "Downloads\ proyecto polinomio\ proyecto polinomio\ polinomio.cpp". The taskbar at the bottom includes icons for Spotify, Vegas Pro 14.0, and other Windows applications.

```
cout << BLUE_COLOR << "Foto: " << BLUE_COLOR << endl;
cout << PURPLE_COLOR << "El Tipo(pjpg, png): " << gettipo(stu->tabla[i]->v_foto[j]) << RESTORE_DEFAULT_COLOR << endl;
cout << PURPLE_COLOR << "La Ruta: " << getruta(stu->tabla[i]->v_foto[j]) << RESTORE_DEFAULT_COLOR << endl;
cout << PURPLE_COLOR << "EL tamaño:" << gettamanio(stu->tabla[i]->v_foto[j]) << RESTORE_DEFAULT_COLOR << endl;

if(encontrado == false)
    cout << "el usuario no ha sido encontrado" << endl;
```

Resultado en el HTML

Documentacion iinstragras

Página principal Clases Archivos Buscar

Lista de clases

Lista de las clases, estructuras, uniones e interfaces con una breve descripción:

- **Foto**
- **TablaUsuarios**
- **Usuario**

Generado por **doxygen** 1.8.14

- anadirusuarios() : practicas.cpp

- b -

- BLACK_COLOR : practicas.cpp
- BLUE_COLOR : practicas.cpp
- borratabla() : practicas.cpp
- borrarusuarios() : practicas.cpp
- buscarusuarios() : practicas.cpp

- c -

- crearusuario() : practicas.cpp
- CYAN_COLOR : practicas.cpp

- g -

- getapellido() : practicas.cpp
- getdimvfoto() : practicas.cpp
- getlogin() : practicas.cpp
- getnombre() : practicas.cpp
- getperfilusuario() : practicas.cpp
- getruta() : practicas.cpp
- gettamario() : practicas.cpp
- gettipo() : practicas.cpp
- gettotalfotosusuario() : practicas.cpp
- GREEN_COLOR : practicas.cpp

The screenshot shows a web browser window with multiple tabs open. The active tab displays a search results page for the query "menu_en_pantalla()". The results are listed as bullet points, each followed by a link to "practicas.cpp". The links are color-coded: blue for general items and purple for items related to the variable "PURPLE_COLOR". The browser interface includes a navigation bar with back, forward, and search icons, a toolbar with various application icons, and a status bar at the bottom showing the date and time.

- menu_en_pantalla() : [practicas.cpp](#)
- p -
 - PURPLE_COLOR : [practicas.cpp](#)
- r -
 - RED_COLOR : [practicas.cpp](#)
 - resize() : [practicas.cpp](#)
 - resizeFotos() : [practicas.cpp](#)
 - RESTORE_DEFAULT_COLOR : [practicas.cpp](#)
- s -
 - setapellido() : [practicas.cpp](#)
 - setdimfoto() : [practicas.cpp](#)
 - setlogin() : [practicas.cpp](#)
 - setnombre() : [practicas.cpp](#)
 - setperfilusuario() : [practicas.cpp](#)
 - setruta() : [practicas.cpp](#)
 - settamanio() : [practicas.cpp](#)
 - settipo() : [practicas.cpp](#)
 - settotalfotosusuario() : [practicas.cpp](#)
- w -

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** file:///C:/Users/civil/Desktop/compartida_linux/2%20trimestre/instagras/documentacion/html/functions.html
- Tab Bar:** Compartido conmigo - G, Grupo Netbeans memoria, Doxygen: Downloads, Nueva pestaña, Documentacion iinstragras.
- Toolbar:** Back, Forward, Stop, Refresh, Home, Favorites, ABP, and other standard browser icons.
- Page Content:**
 - # Documentacion iinstragras 1
 - Navigation:** Página principal, Clases ▾, Archivos ▾, Buscar.
 - Text:** Lista de todos los campos de clases con enlaces a las classes a que pertenecen:
 - apellido : Usuario
 - dim_v_foto : Usuario
 - login : Usuario
 - nombre : Usuario
 - perfilusuario : Usuario
 - ruta : Foto
 - tabla : TablaUsuarios
 - tamano : Foto
 - tipo : Foto
 - totalfotosusuario : Usuario
 - totaltuplas : TablaUsuarios
 - v_foto : Usuario
- Page Footer:** Generado por doxygen 1.8.14
- Taskbar:** Shows various pinned application icons including File Explorer, Mail, Spotify, Google Chrome, and others.

