

JAFH

SWI PROLOG

Swi Prolog


Es una implementación libre de PROLOG

Descarga

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www.swi-prolog.org

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SWI Prolog

Robust, mature, free. **Prolog for the real world.**

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SWI-Prolog offers a comprehensive free Prolog environment. Since its start in 1987, SWI-Prolog development has been driven by the needs of real world applications. SWI-Prolog is widely used in research and education as well as commercial applications. Join over a million users who have downloaded SWI-Prolog. [more ...](#)

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Linux versions are often available as a package for your distribution. We collect information about available packages and issues for building on specific distros [here](#). We provide a [PPA](#) for [Ubuntu](#)








Please check the [windows release notes](#) (also in the SWI-Prolog startup menu of your installed version) for details.

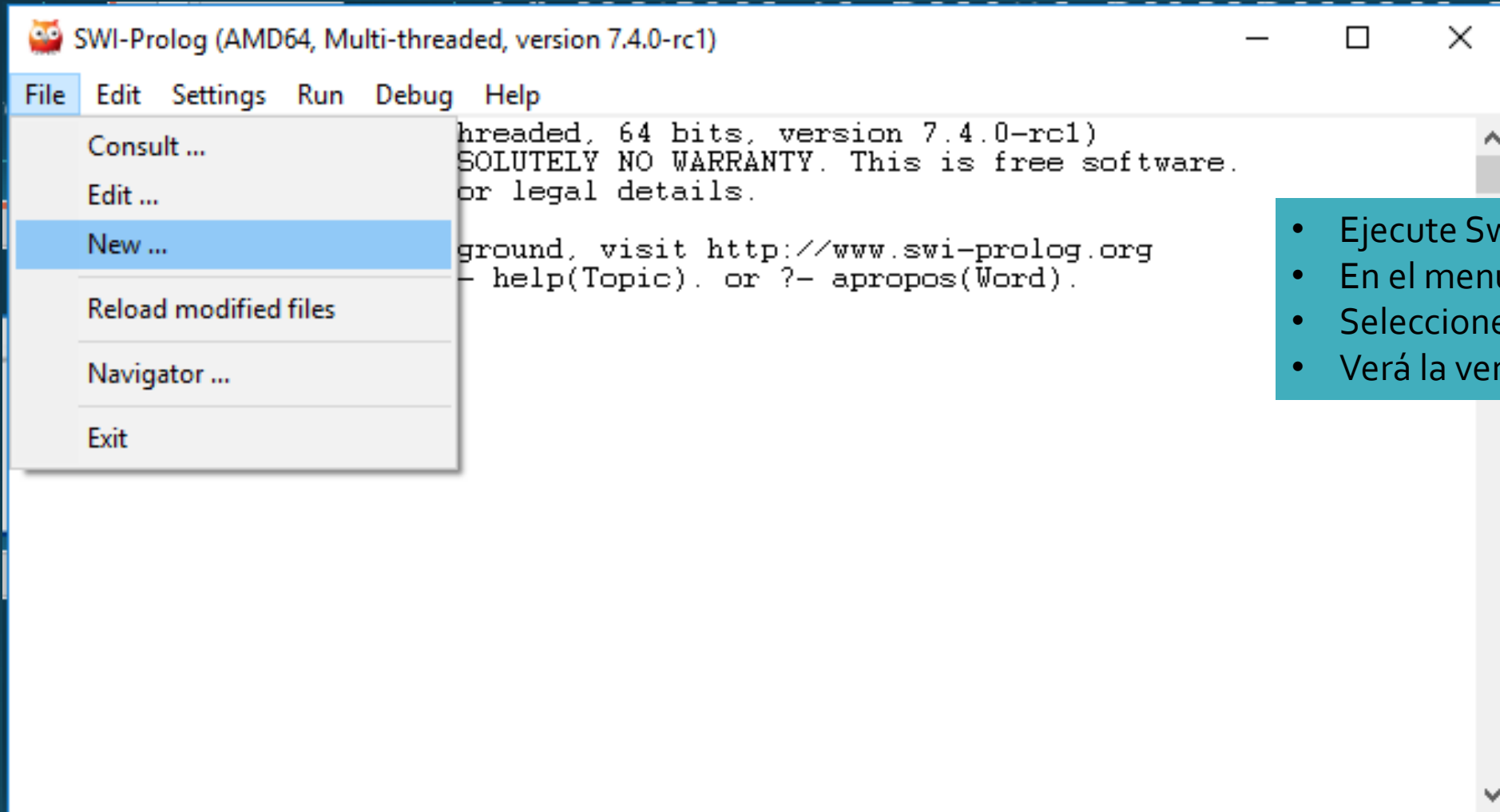


Examine the [ChangeLog](#).

Elija

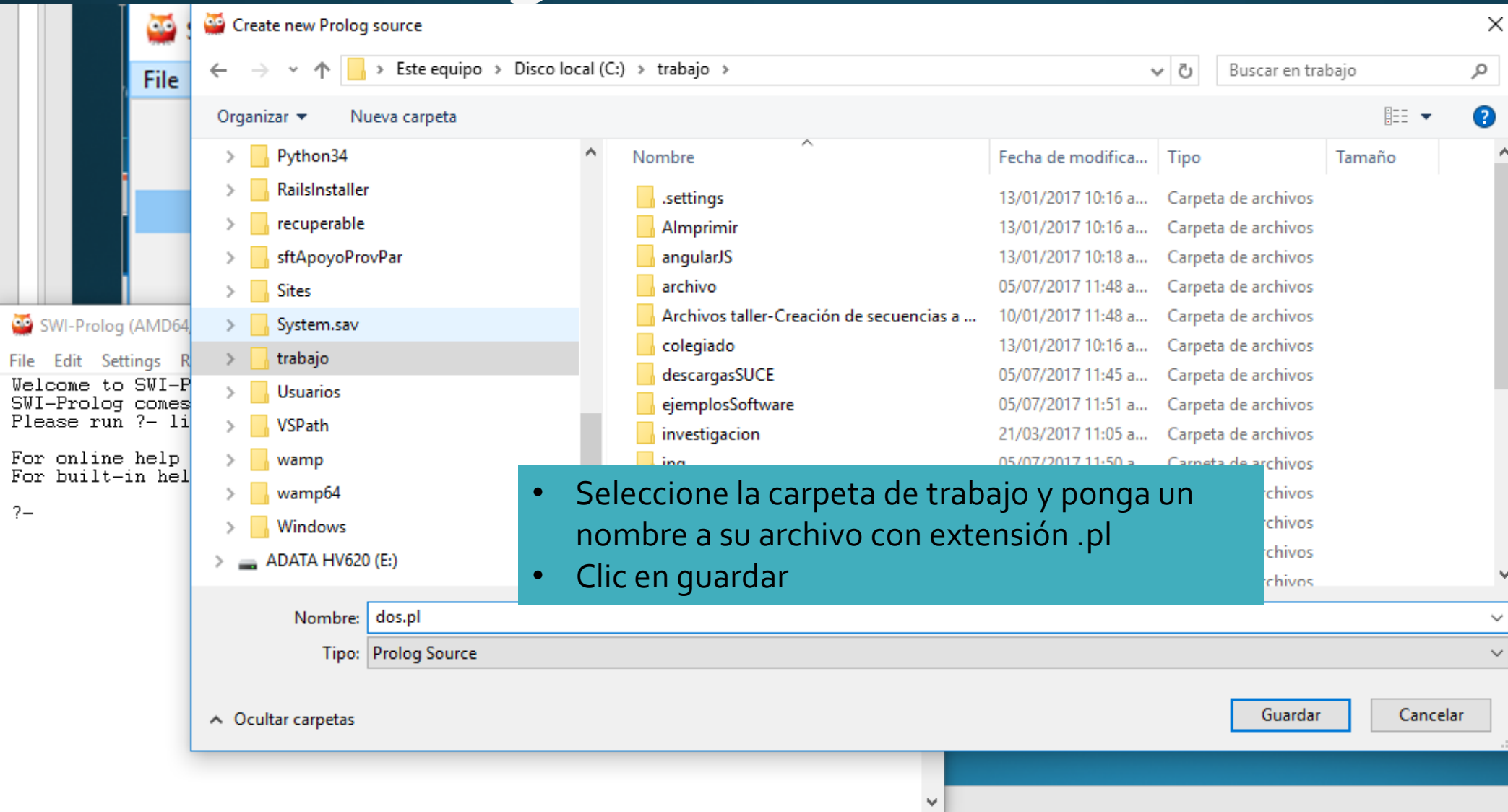
Binaries		
	20,432,238 bytes	SWI-Prolog 7.4.0-rc1 for Microsoft Windows (64 bit) Self-installing executable for Microsoft's Windows 64-bit editions. Requires at least Windows 7. See the reference manual for deciding on whether to use the 32- or 64-bits version. This binary is linked against GMP 6.1.1 which is covered by the LGPL license.
	19,137,463 bytes	SWI-Prolog 7.4.0-rc1 for Microsoft Windows (32 bit) Self-installing executable for MS-Windows. Requires at least Windows 7. Installs swipl-win.exe and swipl.exe . This binary is linked against GMP 6.1.1 which is covered by the LGPL license.
	23,575,050 bytes	SWI-Prolog 7.4.0-rc1 for MacOSX 10.6 (Snow Leopard) and later on intel Mac OS X disk image with relocatable application bundle . Needs xquartz (X11) installed for running the development tools . Currently, version 2.7.11 is required. You can check the version by opening an X11 application and then checking 'about' in the X11 menu. The bundle also provides the commandline tools in Contents/MacOS. The command line tools need at least MacOS 10.6 (Snow Leopard). The graphical application needs at least MacOS 10.7 (Lion).
Sources		
	16,498,021 bytes	SWI-Prolog source for 7.4.0-rc1 Sources in .tar.gz format, including packages and generated documentation files. See build instructions .
Documentation		
	2,375,700 bytes	SWI-Prolog 7.4.0-rc1 reference manual in PDF SWI-Prolog reference manual as PDF file. This does <i>not</i> include the package documentation.
		Show all files

Editor de Swi-Prolog

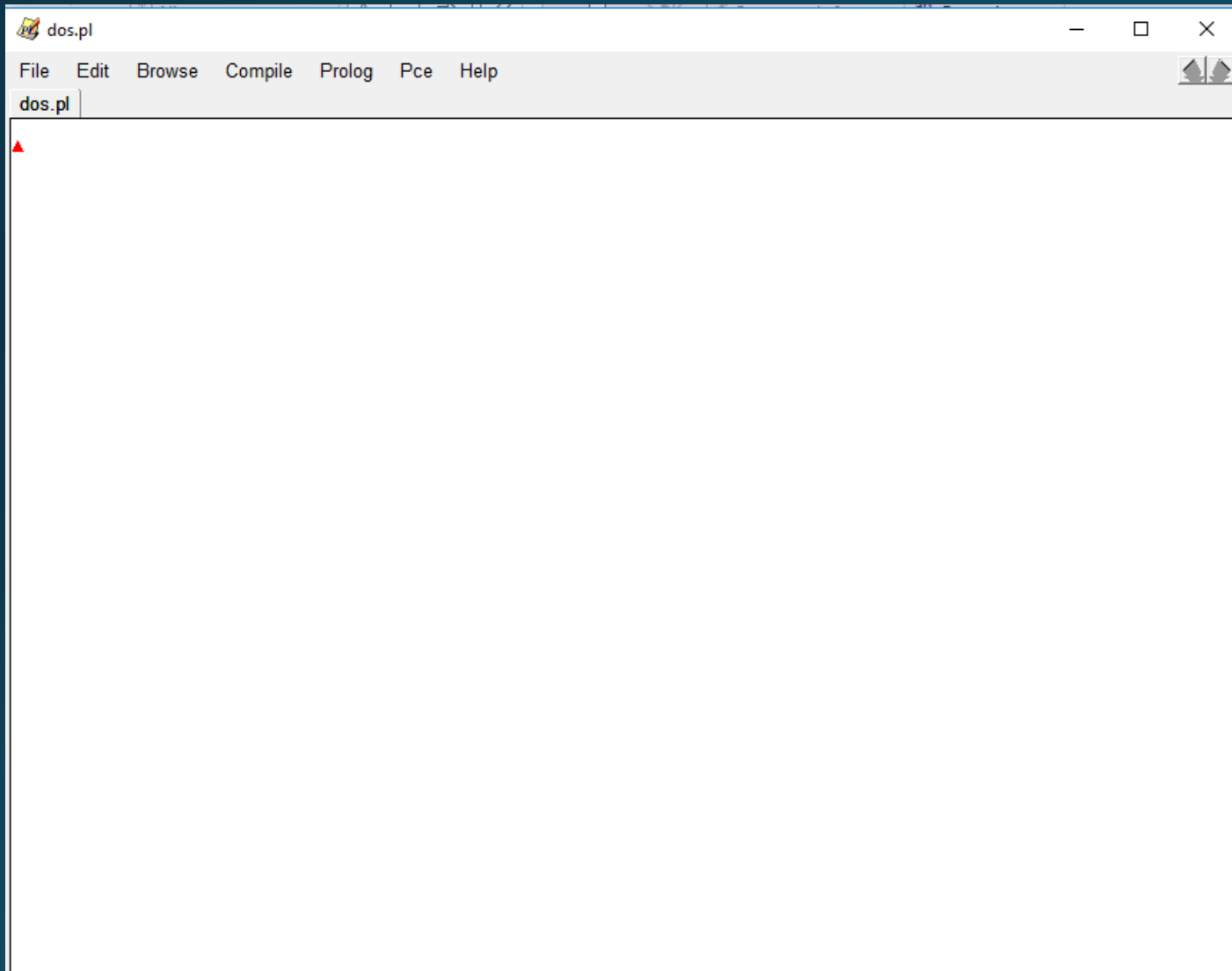


- Ejecute Swi-Prolog
- En el menú haga clic en file
- Seleccione new
- Verá la ventana...

Ventana guardar archivo



Edite el archivo



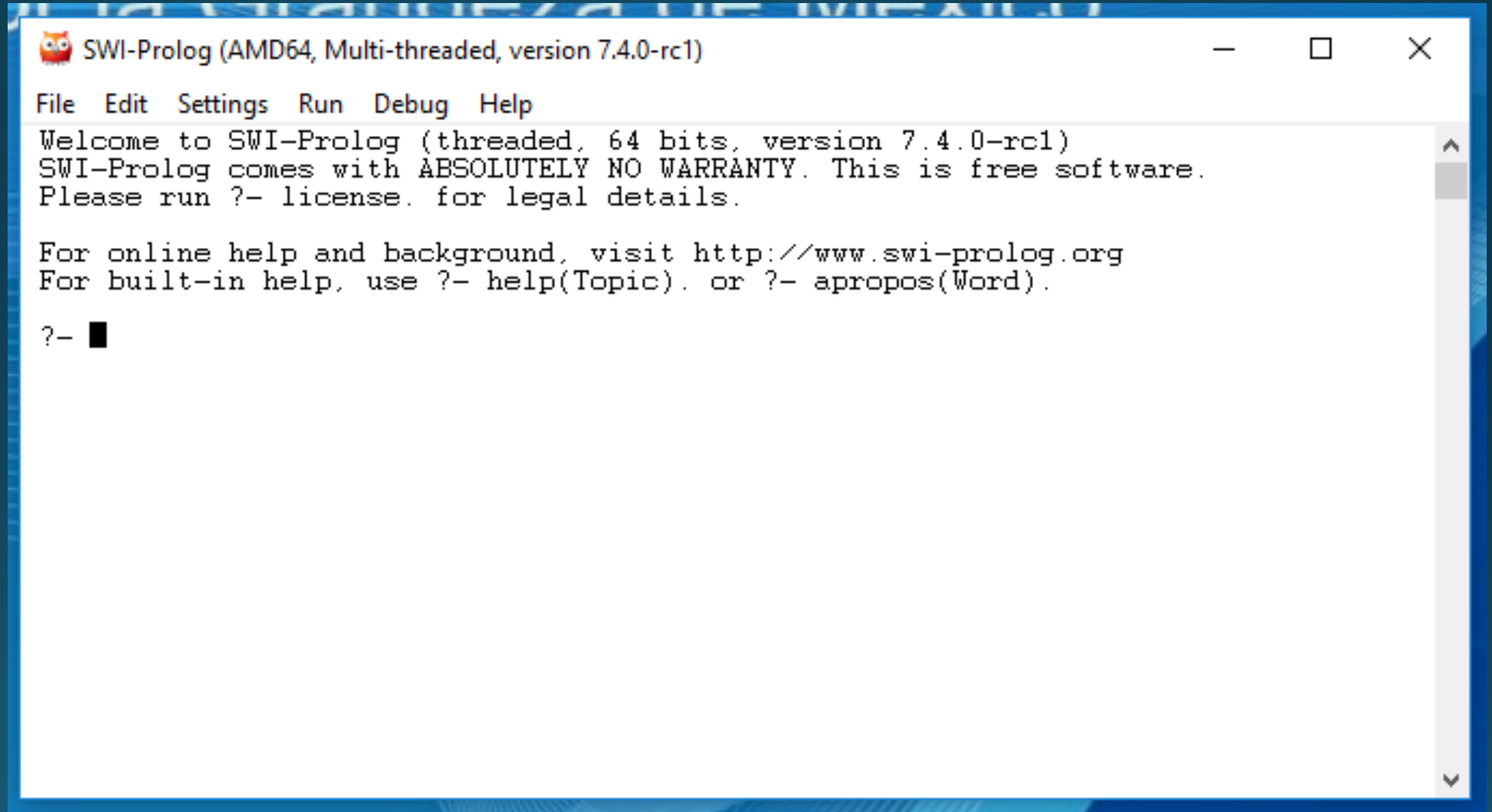
Ejemplo base de conocimiento

En un editor de código o en el editor de SwiProlog, escriba la siguiente base de conocimientos y guárdela en la carpeta c:\trabajo con el nombre "programa.pl"

```
/*echo 1 ana aprobo programacion 1*/  
aprobo_programacion1(ana).  
/*echo 2 rosa reprobo programacon 1*/  
reprobo_programacion1(rosa).  
/*regla 1 X sabe programar si X aprobo programacion 1*/  
sabe_programar(X):-aprobo_programacion1(X).
```


Cargar base de conocimiento

Ejecute prolog:



```
SWI-Prolog (AMD64, Multi-threaded, version 7.4.0-rc1)
File Edit Settings Run Debug Help
Welcome to SWI-Prolog (threaded, 64 bits, version 7.4.0-rc1)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit http://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- ■
```

Cargar la base de conocimiento

```
SWI-Prolog (AMD64, Multi-threaded, version 7.4.0-rc1)
File Edit Settings Run Debug Help
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
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For online help and background, visit http://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

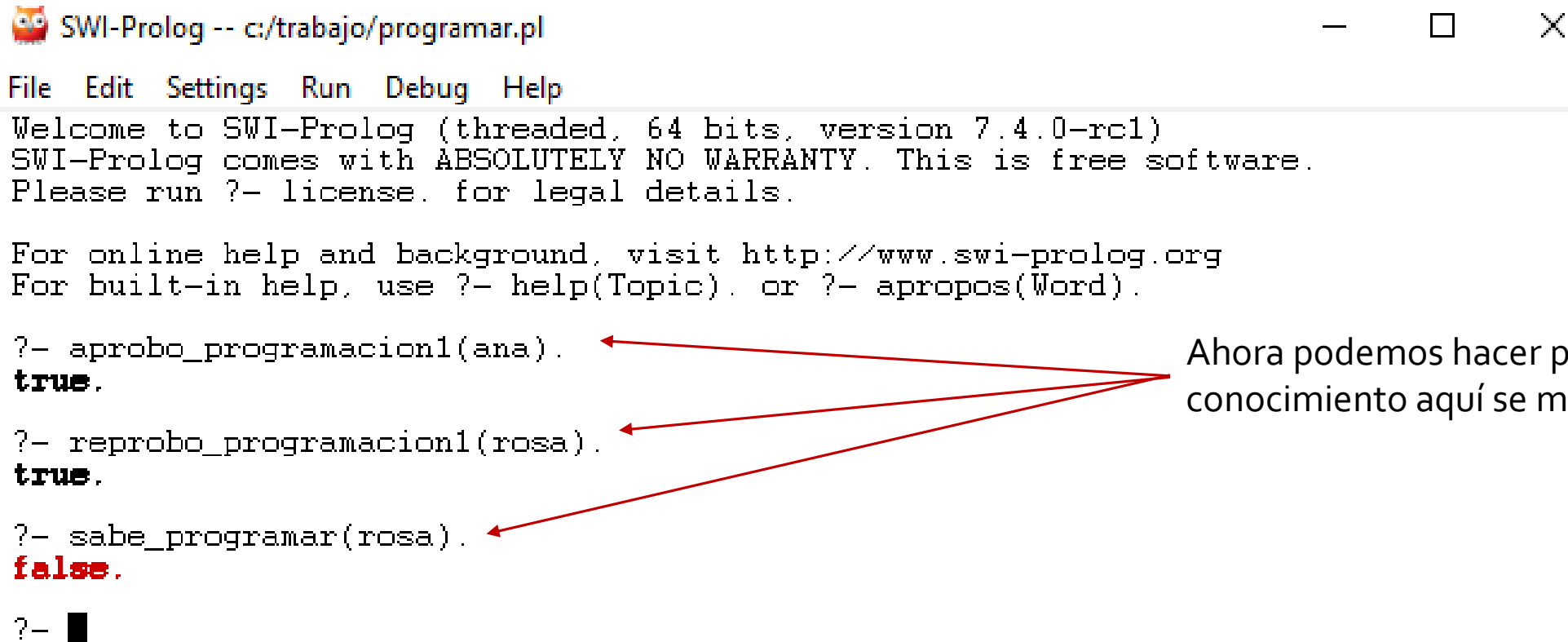
?- cd('c:/trabajo').
true.

?- consult('programar.pl').
true.

?- 
```

1. Ir a la carpeta del programa.
2. Cargar reglas.

Consultar



```
SWI-Prolog -- c:/trabajo/programar.pl
File Edit Settings Run Debug Help
Welcome to SWI-Prolog (threaded, 64 bits, version 7.4.0-rc1)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit http://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- aprobo_programacion1(ana).
true.

?- reprobo_programacion1(rosa).
true.

?- sabe_programar(rosa).
false.

?-
```

The image shows a screenshot of the SWI-Prolog Prolog environment. The window title is "SWI-Prolog -- c:/trabajo/programar.pl". The menu bar includes "File", "Edit", "Settings", "Run", "Debug", and "Help". The main text area displays the Prolog startup message and three queries. The first query is `?- aprobo_programacion1(ana).` with the result `true.`. The second query is `?- reprobo_programacion1(rosa).` with the result `true.`. The third query is `?- sabe_programar(rosa).` with the result `false.`. The prompt `?-` is followed by a black square cursor. Three red arrows point from the text on the right to the three queries in the Prolog window.

Ahora podemos hacer preguntas a la base de conocimiento aquí se muestran 3 preguntas

Swi-prolog

Otras opciones



SWI-Prolog (Multi-threaded, version 7.4.2)

File Edit Settings Run Debug Help

Consult ...

Edit ...

New ...

Reload modified files

Navigator ...

Exit

hreaded, 32 bits, version 7.4.2)
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or legal details.
ground, visit <http://www.swi-prolog.org>
- help(Topic). or ?- apropos(Word).
on1).

También puede
Cargar una base de conocimiento desde
un archivo



SWI-Prolog (Multi-threaded, version 7.4.2)



File Edit Settings Run Debug Help

Consult ...

Edit ...

New ...

Reload modified files

Navigator ...

Exit

hreaded, 32 bits, version 7.4.2)
SOLUTELY NO WARRANTY. This is free software.
or legal details.

ground, visit <http://www.swi-prolog.org>
- help(Topic). or ?- apropos(Word).

on1).

Permite editar un archivo

programar2.pl

File Edit Browse Compile Prolog Pce Help

programar2.pl

```
aprobo(ana,programacion1). /*ana aprobo programación 1*/
aprobo(luis,programacion1).
aprobo(luis,programacion2).
aprobo(luis,estructuraDatos).
aprobo(luis,poo).
reprobo(rosa,programacion1). /* rosa reprobo programacion1*/
reprobo(ana,programacion2).
/*X es programador básico si X aprobo programación 1*/
programadorBasico(X):-aprobo(X, programacion1).
/*X es programador de aplicaciones estucturadas si X aprobo programación 1 programac
ión 2 y estructura de datos*/
programadorAplicacionesEstructuradas(X):-aprobo(X, programacion1),aprobo(X, programa
cion2),aprobo(X, estructuraDatos).
/*X es programador OO si X es programador de aplicaciones estructuradas y aprobo POO
*/
programadorAplicacionesOO(X):-programadorAplicacionesEstructuradas(X),aprobo(X,poo).
```

user:aprobo/2: (loaded) static, 5 clauses, number_of_rules(0), defined

Line: 1

```
programar2.pl
File Edit Browse Compile Prolog Pce Help
Make Control-c \C-m
Compile buffer Control-c \C-b
Consult selection

aprobo(ana,programacion1).
aprobo(luis,programacion1).
aprobo(luis,programacion2).
aprobo(luis,estructuraDatos).
aprobo(luis,poo).
reprobo(rosa,programacion1). /* rosa reprobo programacion1*/
reprobo(ana,programacion2).
/*X es programador básico si X aprobo programación 1*/
programadorBasico(X):-aprobo(X, programacion1).
/*X es programador de aplicaciones estructuradas si X aprobo programación 1 programac
ión 2 y estructura de datos*/
programadorAplicacionesEstructuradas(X):-aprobo(X, programacion1),aprobo(X, programa
cion2),aprobo(X, estructuraDatos).
/*X es programador OO si X es programador de aplicaciones estructuradas y aprobo POO
*/
programadorAplicacionesOO(X):-programadorAplicacionesEstructuradas(X),aprobo(X,poo).

user:aprobo/2: (loaded) static, 5 clauses, number_of_rules(0), defined
Line: 1
```

Si hace cambios en la base de conocimientos con esta opción actualiza los cambios en swi-prolog y en disco

Fin