

Oggi parleremo di come poter sviluppare ed eseguire software TCL utilizzando l'editor di testo SciTE.

In questa tutorial utilizzeremo :

- 1) L'editor SciTE, scaricabile da <http://www.redchar.net>
- 2) L'interprete TCL distribuito da <http://www.tcl.tk>

Autore del tutorial che stai leggendo :
Roberto Rossi (<http://www.redchar.net>)

Tcl Developer Site - Windows Internet Explorer

http://www.tcl.tk/ tcl tk windows

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Tcl Developer Site Pagina Sicurezza Strumenti ? »

Prima di tutto accediamo al sito dove scaricare l'interprete TCL.

Tcl Developer Xchange www.tcl.tk

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*Join the many thousands of software developers who are already more productive with help from the **Tcl programming language** and the **Tk graphical user interface toolkit**.*

Tcl (Tool Command Language) is a very powerful but easy to learn dynamic programming language, suitable for a very wide range of uses, including web and desktop applications, networking, administration, testing and many more. Open source and business-friendly, Tcl is a mature yet evolving language that is truly cross platform, easily deployed and highly extensible.

Tk is a graphical user interface toolkit that takes developing desktop applications to a higher level than conventional approaches. Tk is the standard GUI not only for Tcl, but for many other dynamic languages, and can produce rich, native applications that run unchanged across Windows, Mac OS X, Linux and more.

Tcl Conference News

The [16th Annual Tcl/Tk Conference](#) is planned for Sept 28 - Oct 2 in Portland, OR.

The [8th European Tcl/Tk Meeting](#) is set for June 5-6, 2009 in Strasbourg, France.

The [15th Annual Tcl/Tk Conference](#) took place October 20-24, 2008 near Washington, D.C.

The [7th European Tcl/Tk Meeting](#) was June 6-7, 2008 in Strasbourg, France.

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[Tcl/Tk 8.5.6](#) Dec 23, 2008
[Tcl/Tk 8.6b1](#) Dec 23, 2008
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This page will help you obtain Tcl/Tk for your computer. There are many ways to do this; we'll outline the most popular choices.

Tcl and Tk are available on a wide variety of [platforms](#), including Windows, Mac, and essentially all flavors of Unix (Linux, Solaris, IRIX, AIX, *BSD*, etc.).

Tcl/Tk is open source (based on a BSD-style license), so you can use it and modify it virtually any way you want, including for commercial uses. Here is the [Tcl source distribution license](#), but be sure to check the license for any particular distribution you use.

Other Software: We also catalog a small set of [other related software](#).

The "Standard" Tcl/Tk Distribution

Scarichiamo la versione per Windows By far the easiest way to get Tcl/Tk is to click the "Download" button below. This will download ActiveState's free ActiveTcl distribution, which includes precompiled binaries for Windows, Mac OS X, Linux, Solaris, and other platforms. It also includes dozens of the most popular extensions, to provide you with a complete software development environment. Versions are available for AIX, HP-UX, Linux, Mac OS X, Solaris, and Windows.

► [Visit ActiveState's ActiveTcl page](#)

The Tcl/Tk Source Code Distributions

You can easily compile your own versions of Tcl and Tk from these source code distributions. Tcl/Tk 8.5 is the current stable version.

TCL/TK SOFTWARE

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[Tcl 8.6](#)
[Download Sources](#)
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ActiveTcl

The complete, ready-to-install Tcl distribution for Windows, Mac OS X, Linux, Solaris and AIX.

Need enterprise support? Want to redistribute ActiveTcl in your products? We can help.

Avviamo lo scaricamento, cliccando qui...



Complete and Ready-to-Install

ActiveTcl is the industry-standard Tcl distribution, available for Windows, Linux, Mac OS X, Solaris, AIX and HP-UX. Developers worldwide rely on ActiveTcl's completeness and ease-of-use, while corporate users protect their infrastructure and stay competitive with quality-assured ActiveTcl Business Solutions.

Learn about our robust and reliable [ActiveTcl Enterprise](#), which gives you support and maintenance packages for your company.

Count on our trusted ActiveTcl OEM Licensing, which provides you full redistribution rights, plus optional support and co-marketing packages.

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ActiveTcl - Windows Internet Explorer

http://www.activestate.com/activetcl/

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Eseguiamo il file ...

Download del file - Avviso di protezione

Esegui o salvare il file?

Nome: ActiveTcl8.5.6.0.289025-win32-ix86-threaded.exe
Tipo: Applicazione, 21,1 MB
Da: downloads.activestate.com

Esegui Salva Annulla

I file scaricati da Internet possono essere utili, ma questo tipo di file può danneggiare il computer. Se l'origine non è considerata attendibile, non eseguire o salvare il software. [Quali rischi si corrono](#)

The current releases of ActiveTcl are 8.5.0.0 and 8.4.19.1, plus 8.6.0.0b1.

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...25-win32-ix86-threaded.exe da downloads.activestate.com

Tempo residuo stimato: 1 min 11 sec (3,54 MB di 21,1 MB copiati)
Scarica in: ...\\ActiveTcl8.5.6.0.289025-win32-ix86-th...
Velocità di trasferimento: 253 KB/sec
 Chiudi la finestra di dialogo al termine del download

Apri Apri cartella Annulla

Questo download è stato controllato dal filtro SmartScreen e non risulta nessuna minaccia. [Segnala un download non sicuro.](#)

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ActiveState ActiveTcl 8.5.6.0 Installer

ActiveTcl

The industry-standard
Tcl distribution



Welcome to the ActiveState ActiveTcl 8.5.6.0.289025 distribution for Win32/x86.

Package Management: *new*
TEAcup, the TEApot Repository Client

Packages:

Tcl 8.5	Thread 2.6.5
Tk 8.5	trofs 0.4.4

ActiveTcl 8.5 is compatible with most ActiveTcl 8.4 packages.
More packages can be obtained with the teacup, or by installing this distribution into the same directory as an existing ActiveTcl 8.4 installation.

Using ActiveTcl at work?

Our ActiveTcl Enterprise business solution is a support and maintenance package for organizations of all sizes that depend on Tcl. Safeguard your

Next > Cancel

Una volta avviata l'installazione,
procediamo...

Descrizione: ActiveState Basekit Società: ActiveState Software Inc. Versione file: 8.5.6.0.289025



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ActiveState ActiveTcl 8.5.6.0 Installer

ActiveTcl

The industry-standard
Tcl distribution



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ActiveTcl Community License v2.1

Please note: If you plan to redistribute ActiveTcl you will need a different license. For more information please visit
http://www.activestate.com/activetcl_oem

Preamble:

This license establishes the terms under which the Package may be copied, modified, distributed and/or redistributed. The intent is that ActiveState Software Inc. ("ActiveState") maintain control over the development and distribution of the Package, while allowing the users of the Package to use the Package in a variety of ways. You are always permitted to make arrangements wholly outside of this license directly with ActiveState. If the terms of this license do not permit

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Accettiamo la licenza e andiamo avanti
(next)...

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ActiveState ActiveTcl 8.5.6.0 Installer

Please specify installation directory and mode.

Installation mode

Install for current user only
 Install for all users (requires Administrative privileges)

Registry Settings

Add ".tcl" to your executable path extensions (PATHEXT)
 Associate ".tcl" extension to ActiveTcl 8.5
 Associate ".tbc" extension to ActiveTcl 8.5

C:\Tcl

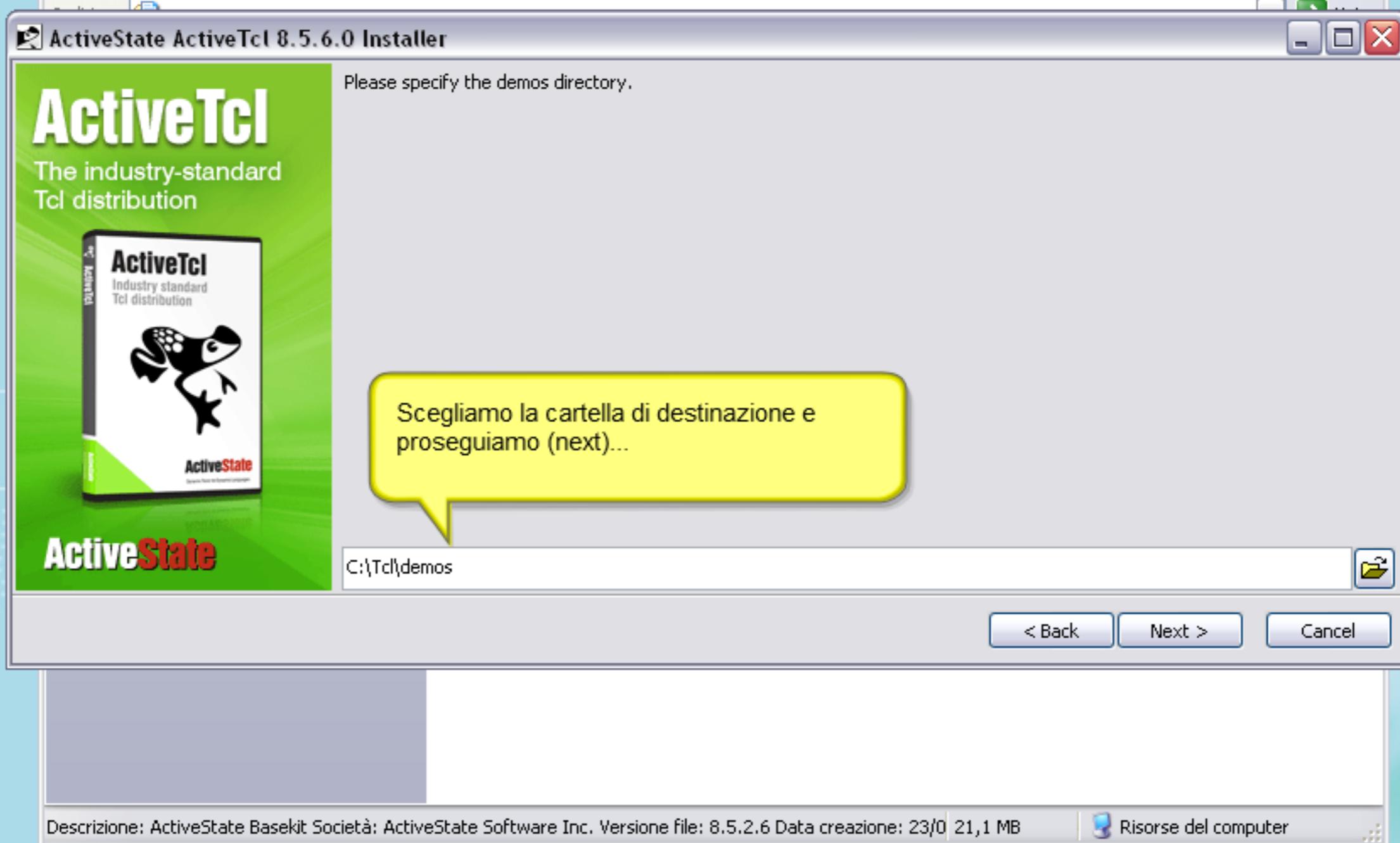
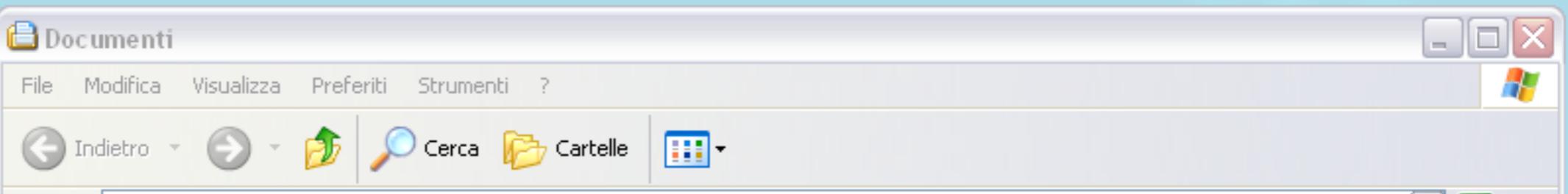
< Back Next > Cancel

Utilizziamo tranquillamente le opzioni predefinite, e andiamo avanti (next) ...

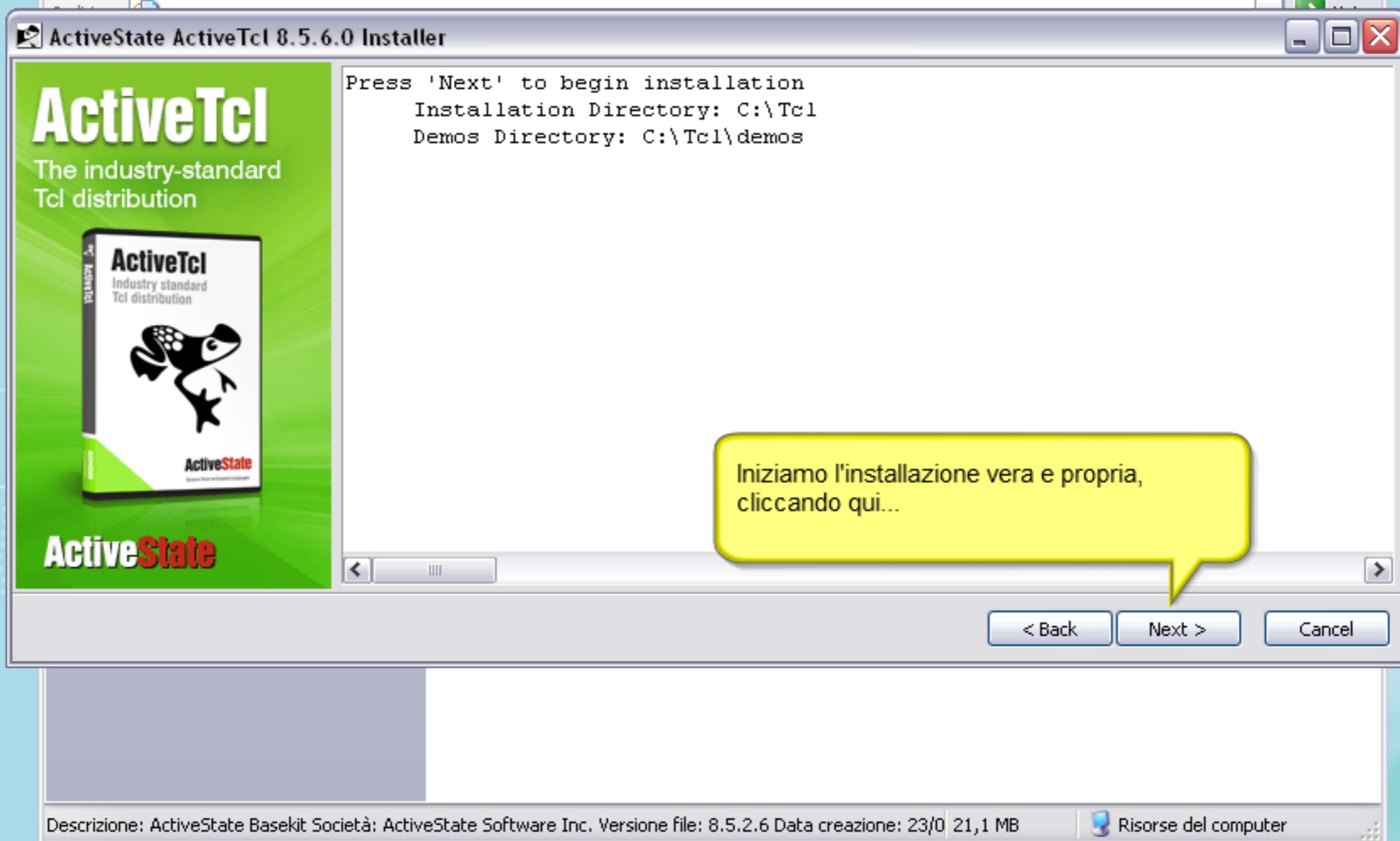
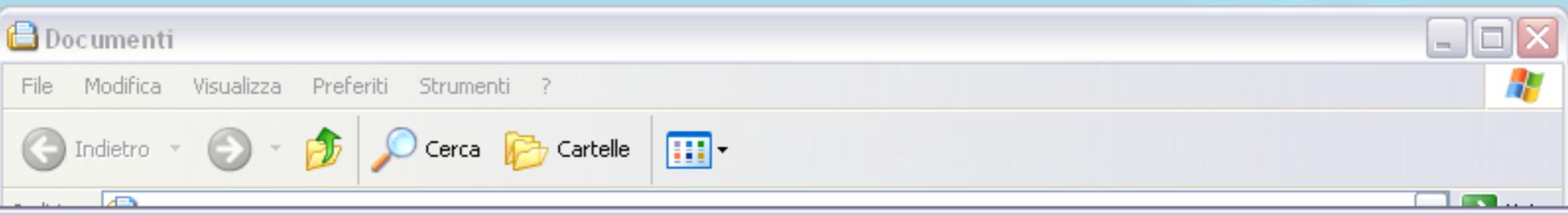
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ActiveState ActiveTcl 8.5.6.0 Installer

ActiveTcl Pro Studio

The Complete Tcl Development bundle:

- ✓ Komodo IDE
- ✓ Tcl Dev Kit
- ✓ Safari Books Online

...one low price

ActiveTcl Pro Studio
Everything a Tcl programmer needs

Try it today!

Press 'Next' to begin installation
Installation Directory: C:\Tcl
Demos Directory: C:\Tcl\demos

Installing ActiveTcl ...
Creating directory C:\Tcl\bin ...
Creating directory C:\Tcl\doc ...
Creating directory C:\Tcl\include ...
Creating directory C:\Tcl\include\X11 ...
Creating directory C:\Tcl\include\tcl8.5 ...

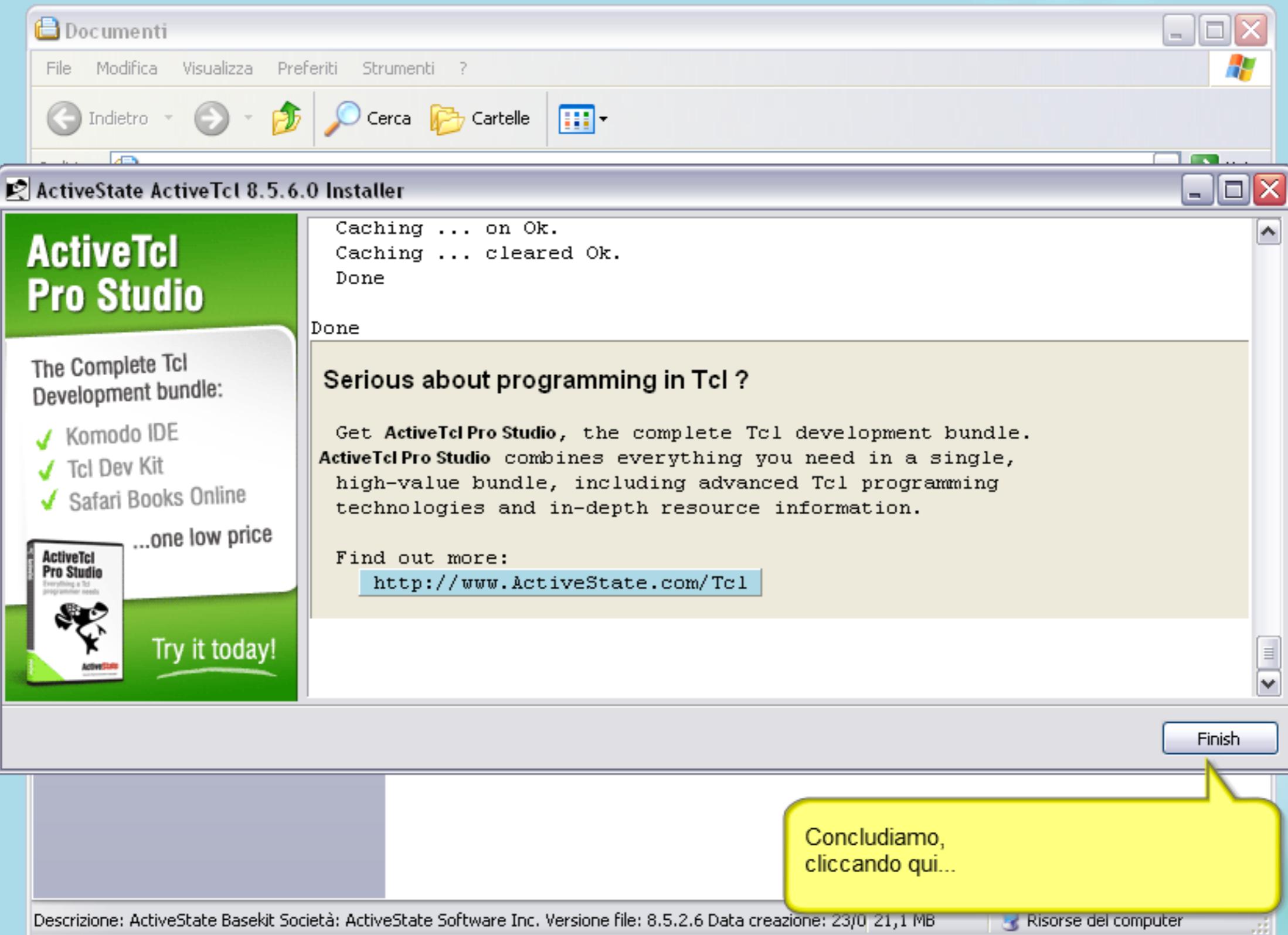
Attendiamo il termine della procedura.

Cancel

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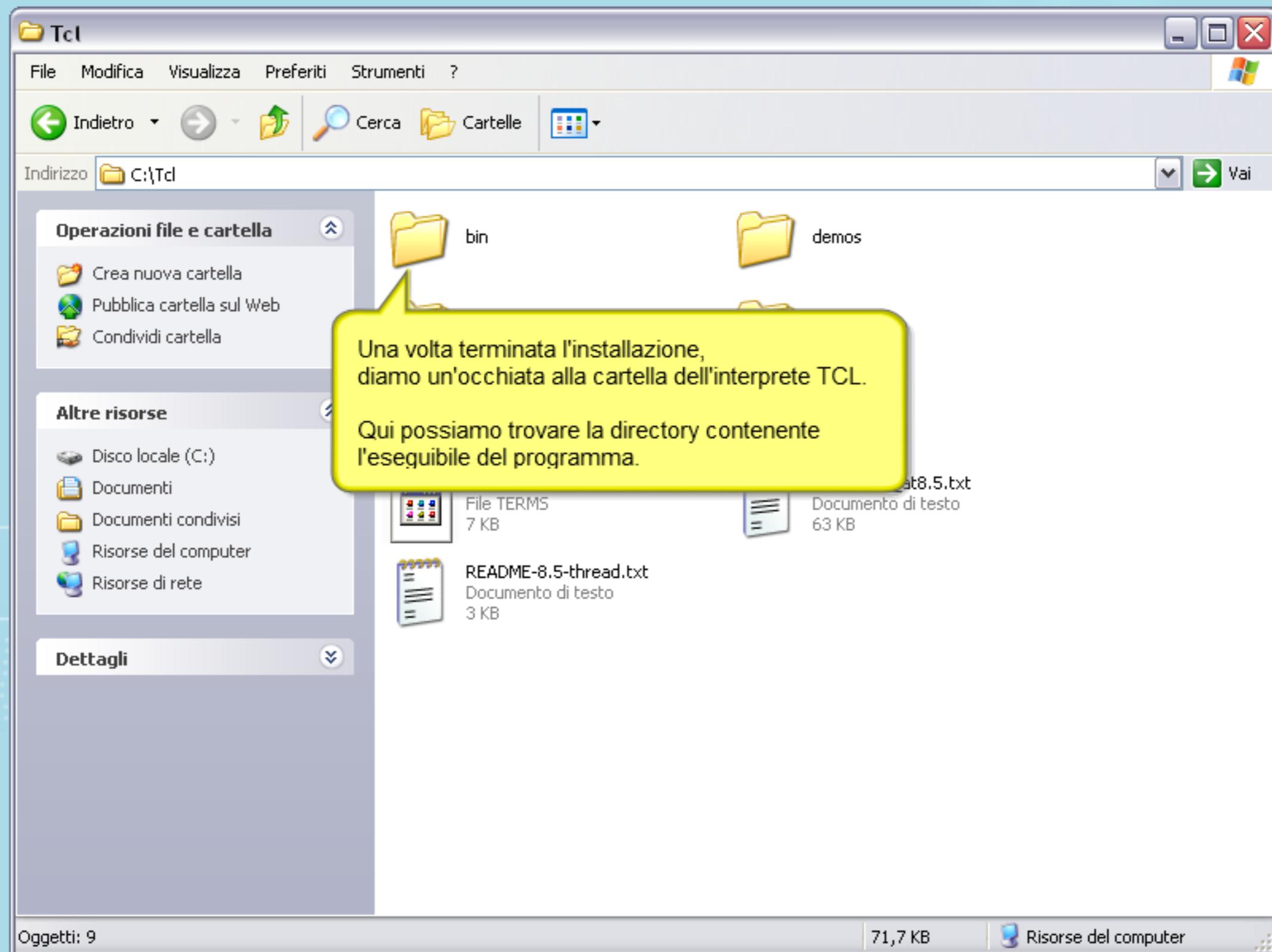


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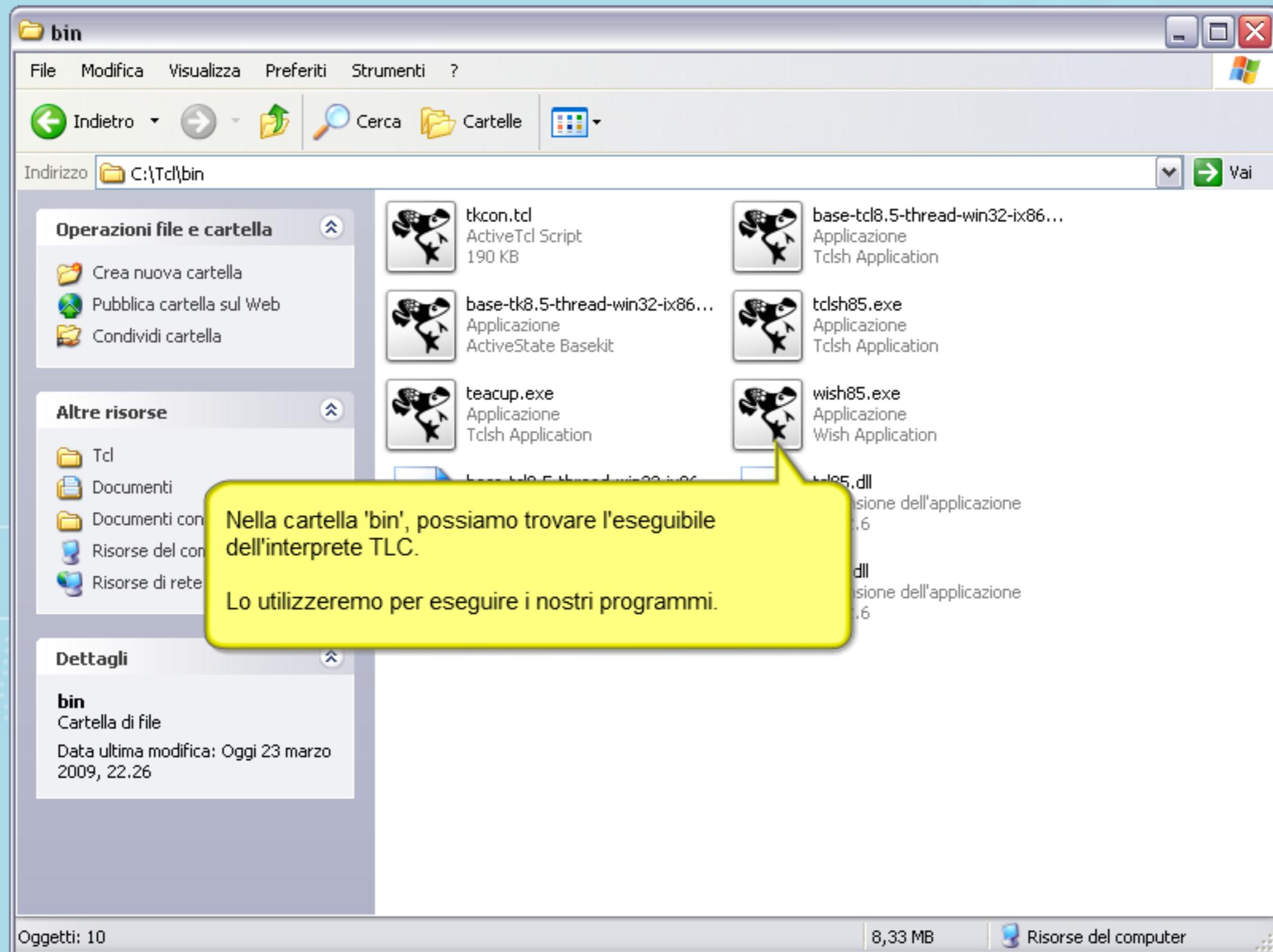


Una volta terminata l'installazione,
diamo un'occhiata alla cartella dell'interprete TCL.

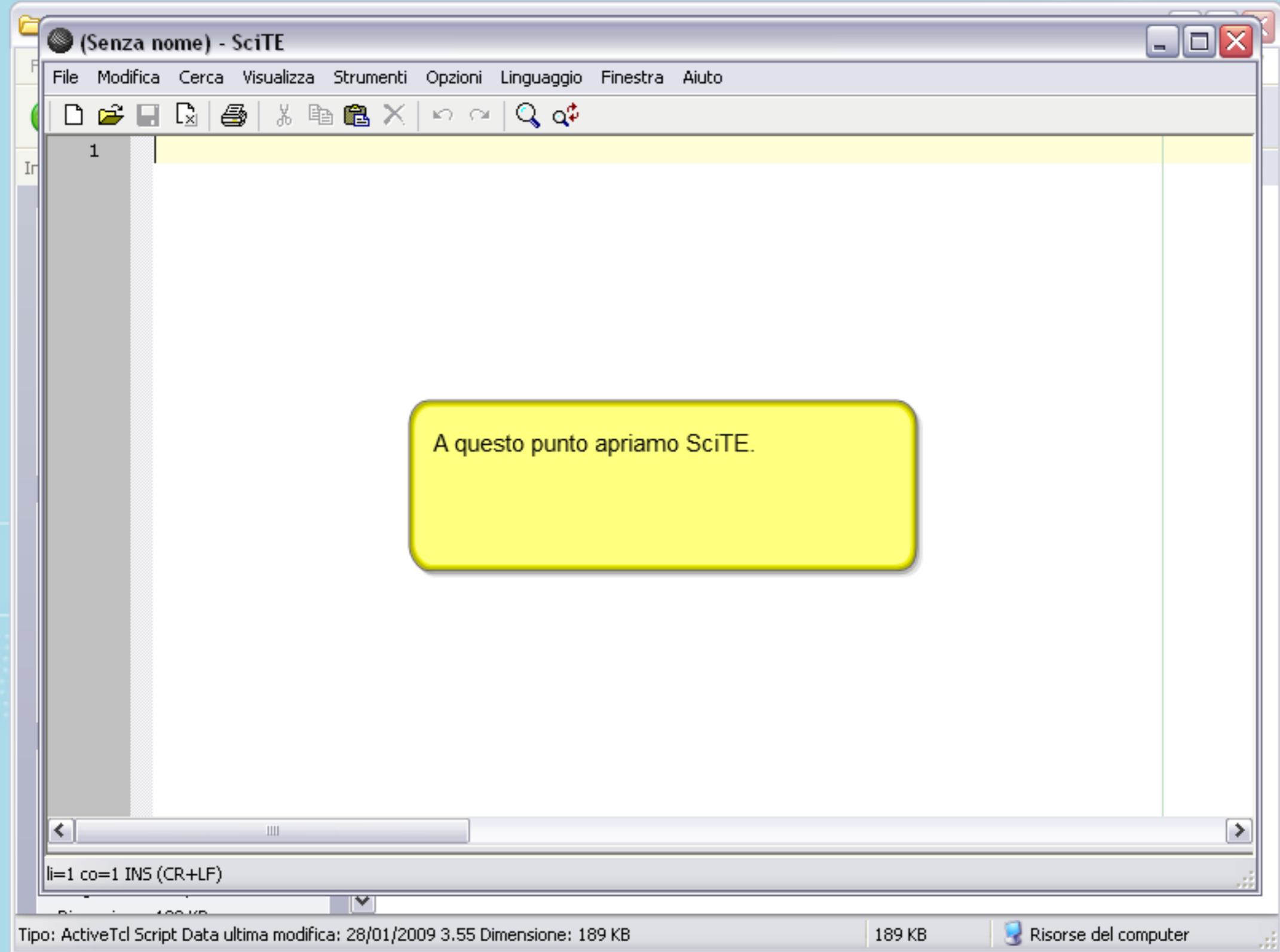
Qui possiamo trovare la directory contenente
l'eseguibile del programma.



Gestino



Gestino



Gestino



(Senza nome) - SciTE

File Modifica Cerca Visualizza Strumenti Opzioni

1

Inserire

Tipo: ActiveTcl Script Data ultima modifica: 28/01/2009 3.55 D

Apri Lua Startup Script

Apri ada.properties
Apri asm.properties
Apri ave.properties
Apri baan.properties
Apri caml.properties
Apri conf.properties
Apri cpp.properties
Apri css.properties
Apri eiffel.properties
Apri erlang.properties
Apri escript.properties
Apri fortran.properties
Apri phpfunctions.properties
Apri html.properties
Apri inno.properties
Apri lisp.properties
Apri lot.properties
Apri lua.properties
Apri matlab.properties
Apri metapost.properties
Apri mmixal.properties
Apri nsis.properties
Apri other properties

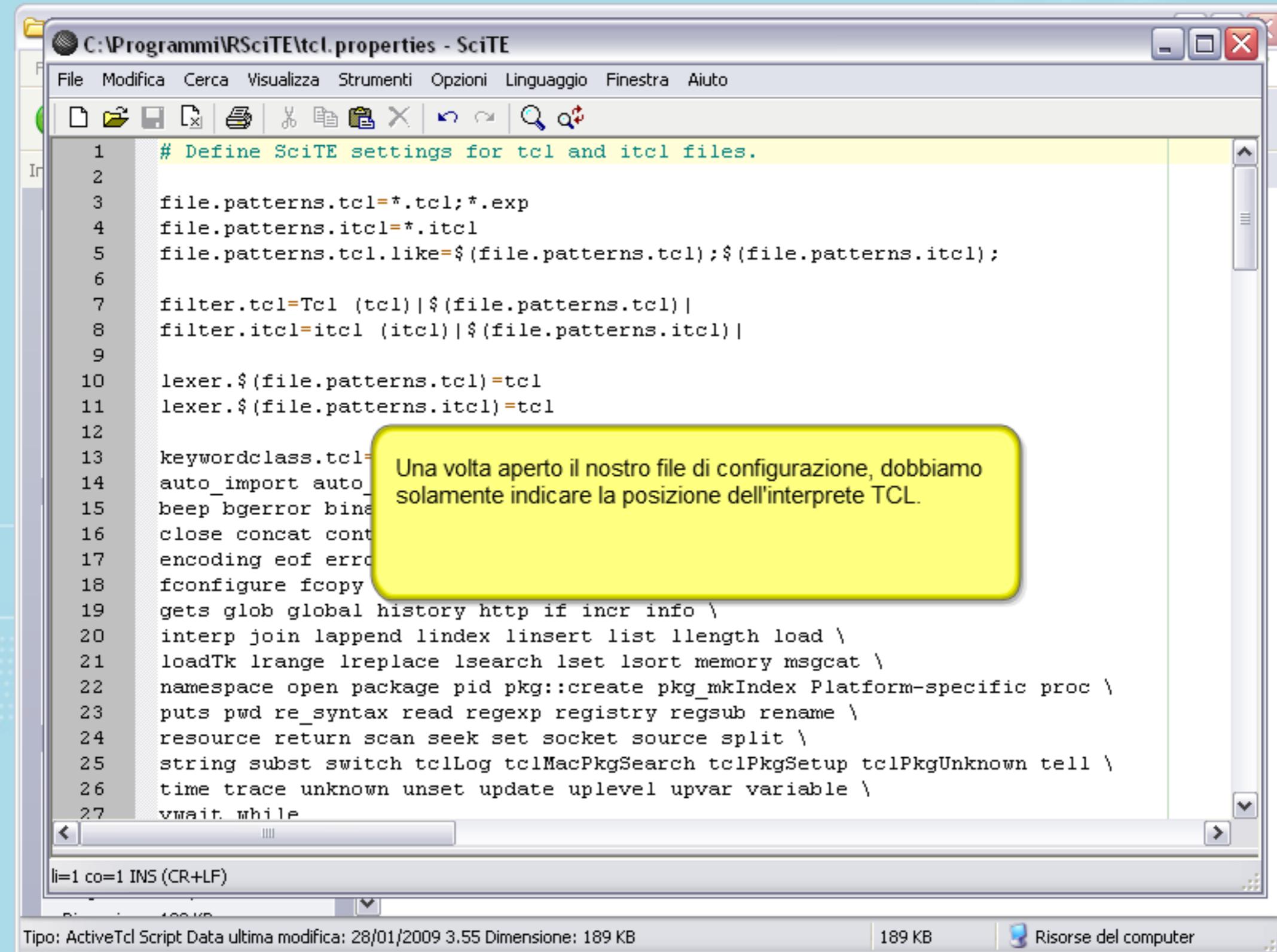
Dal menu 'Opzioni', selezioniamo la voce relativa all'apertura del file di configurazione TCL.
'Apri tcl.properties'

Apri sql.properties
Apri tcl.properties
Apri tex.properties
Apri vb.properties
Apri yaml.properties
Apri alisp.properties
Apri adcl.properties
Apri euphoria.properties
Apri loctools-en.properties
Apri loctools.properties
Apri tools.properties

Risorse del computer



Gestino



C:\Programmi\RSciTE\tcl.properties * SciTE

```
File Modifica Cerca Visualizza Strumenti Opzioni Linguaggio Finestra Aiuto
D F S D X | Y Z | < > | Q q+ |
```

131 # Keywords 3
132 style.tcl.14=\$(colour.keyword),back:#FFf0f0,bold
133 # Keywords 4
134 style.tcl.15=\$(colour.keyword),back:#FFDODO,bold
135 # Other keywords (bozo test colors :-)
136 # Keywords 5
137 style.tcl.16=\$(style.tcl.7),back:#FFDOFF,bold
138 # Keywords 6
139 style.tcl.17=\$(style.tcl.7),back:#FFFFDO,bold
140 # Keywords 7
141 style.tcl.18=\$(style.tcl.7),back:#FFAOAO,bold,
142 # Keywords 8
143 style.tcl.19=\$(style.tcl.7),back:#FFDODO
144 #comment box
145 style.tcl.20=\$(colour.code.comment.box),\$(font.code.comment.box),back:#f0FFf0,eolfil
146 #comment block
147 style.tcl.21=\$(colour.embedded.comment),\$(font.embedded.comment),back:#f0FFf0
148
149 #
150 sti Posizioniamoci alla fine del file ed aggiungiamo una nuova
151 linea...
152
153 #
154 braces \$(style.tcl.0)
155
156 |

l=156 co=1 INS (CR+LF)

Tipo: ActiveTcl Script Data ultima modifica: 28/01/2009 3.55 Dimensione: 189 KB 189 KB Risorse del computer



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C:\Programmi\RSciTE\tcl.properties * SciTE

File Modifica Cerca Visualizza Strumenti Opzioni Linguaggio Finestra Aiuto

133 # Keywords 4
134 style.tcl.15=\$(colour.keyword),back:#FFDODO,bold
135 # Other keywords (bozo test colors :-)
136 # Keywords 5
137 style.tcl.16=\$(style.tcl.7),back:#FFDOFF,bold
138 # Keywords 6
139 style.tcl.17=\$(style.tcl.7),back:#FFFFDO,bold
140 # Keywords 7
141 style.tcl.18=\$(style.tcl.7),back:#FFAOAO,bold,
142 # Keywords 8
143 style.tcl.19=\$(style.tcl.7),back:#FFDODO
144 #comment_box
145 st
146 #c Inseriamo 2 nuove linee di configuazione :
147 st * la prima indicherà a scite come utilizzare l'interprete;
148 st * la seconda consentirà di specificare, con precisione, cosa utilizzare per eseguire i
149 # nostri script.
150 st
151 st Fatto ciò non ci resta che chiudere SciTE, avendo l'accortezza di salvare il file di
152 # configurazione appena editato.
153 #
154 braces cl.style=6
155
156 command.go.subsystem.\$(file.patterns.tcl)=0
157 command.go.\$(file.patterns.tcl)="C:\Tcl\bin\wish85.exe" "\$(FilePath)"
158 |

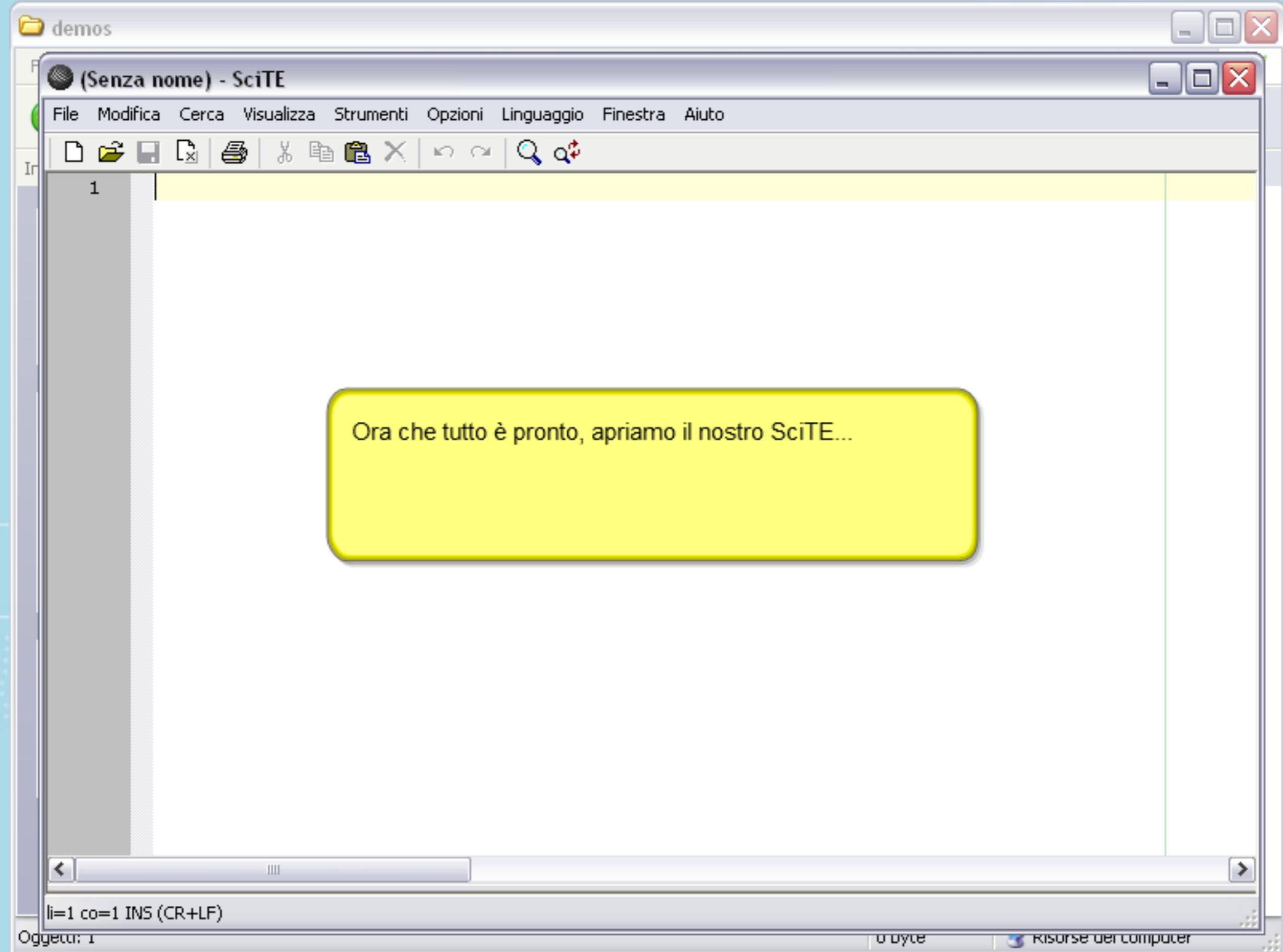
li=158 co=1 INS (CR+LF)

Tipo: ActiveTcl Script Data ultima modifica: 28/01/2009 3.55 Dimensione: 189 KB 189 KB Risorse del computer

A yellow callout bubble is positioned over the code block, containing the following Italian text:
Inseriamo 2 nuove linee di configuazione :
* la prima indicherà a scite come utilizzare l'interprete;
* la seconda consentirà di specificare, con precisione, cosa utilizzare per eseguire i nostri script.



Gestino



Gestino



The screenshot shows the SciTE 2.0 IDE interface. The title bar reads "(Senza nome) * SciTE". The menu bar includes File, Modifica, Cerca, Visualizza, Strumenti, Opzioni, Linguaggio, Finestra, and Aiuto. The toolbar contains icons for file operations like Open, Save, Print, and search. The code editor displays the following Tcl script:

```
1 package require Tk
2
3 button .hello -text "Hello, world" -command {
4     puts stdout "Hello, world"; destroy .
5 }
6 pack .hello
7
8
```

A yellow callout box with a black border is positioned over the code editor. It contains two lines of text:

Inseriamo un piccolo script TCL di prova.
In questo caso si tratta di un piccolo programma che stamperà (come output) la scritta "Hello, world".

li=8 co=1 INS (CR+LF)

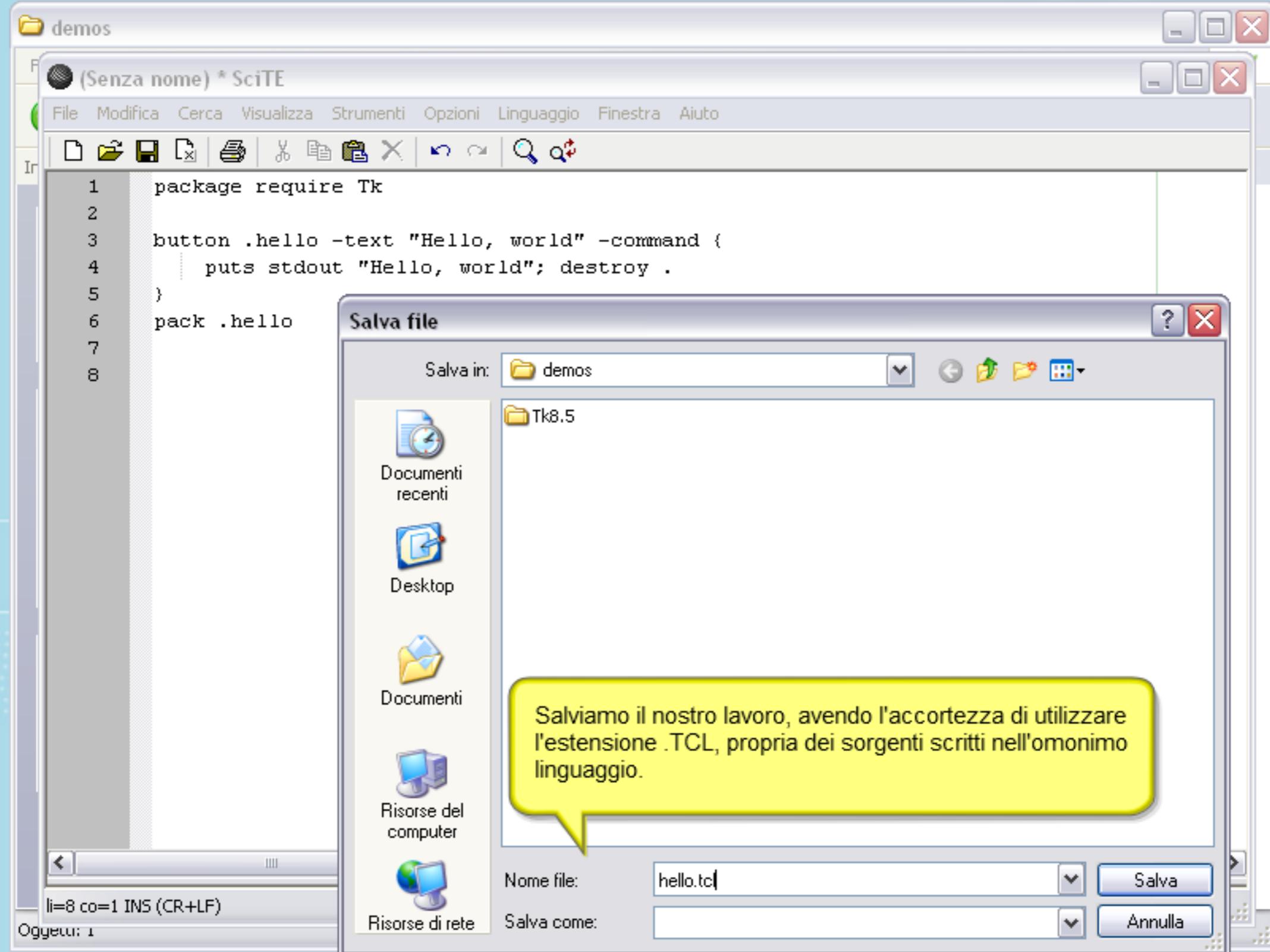
Oggetto: i

0 byte

Risorse del computer



Gestino



Gestino

The screenshot shows the SciTE IDE running on a Windows operating system. The main window title is "C:\Tcl\demos\hello.tcl - SciTE". The menu bar includes File, Modifica, Cerca, Visualizza, Strumenti, Opzioni, Linguaggio, Finestra, and Aiuto. The toolbar contains icons for file operations like Open, Save, Print, and Find. The code editor displays the following Tcl script:

```
1 package require Tk
2
3 -button .hello -text "Hello, world" -command {
4     puts stdout "Hello, world"; destroy .
5 }
6 pack .hello
7
8
```

A yellow tooltip box is overlaid on the screen, containing the text: "Una volta salvato il file, SciTE lo riconoscerà e, di conseguenza, ne evidenzierà la sintassi." (Once the file is saved, SciTE will recognize it and highlight its syntax accordingly.)

The status bar at the bottom shows "li=8 co=1 INS (CR+LF)" and "Oggetti: 2".



Gestino

The screenshot shows the SciTE 2.0 interface with a Tcl script named `hello.tcl` open. The script contains the following code:

```
1 package require Tk  
2  
3 -button .hello  
4     puts stdou  
5 }  
6 pack .hello  
7  
8
```

A context menu is open over the script, specifically over the line `pack .hello`. The menu is titled "Strumenti" and includes the following items:

- Compila (Ctrl+F7)
- Genera (F7)
- Esegui (F5) - This item is highlighted.
- Confronta/Unisci File (Ctrl+O)
- Formato Esadecimale (Ctrl+I)
- Proprieta' interfacce (Shift+F1)
- Ferma esecuzione (Ctrl+Break)
- Messaggio successivo (F4)
- Messaggio precedente (Shift+F4)
- Cancella l'Output (Shift+F5)
- Scambia pannello (Ctrl+F6)

A yellow callout bubble points to the "Esegui" option in the menu. A yellow bar highlights the line of code `pack .hello` in the editor.

Non ci resta che provare ad eseguire il nostro script,
utilizzando l'apposita voce dal menu strumenti.



Gestino



demos

C:\Tcl\demos\hello.tcl - SciTE

File Modifica Cerca Visualizza Strumenti Opzioni Linguaggio Finestra Aiuto

Inserisci

```
1 package require Tk
2
3 -button .hello -text "Hello, world" -command {
4     puts stdout "Hello, world"; destroy .
5 }
6 pack .hello
7
8
```



Ecco la prima parte del nostro programma.
Una piccola finestra con un semplice tasto.

```
>"C:\Tcl\bin\wish85.exe" "C:\Tcl\demos\hello.tcl"
```

li=8 co=1 INS (CR+LF)

Oggetto: 2



Gestino



demos

C:\Tcl\demos\hello.tcl - SciTE

File Modifica Cerca Visualizza Strumenti Opzioni Linguaggio Finestra Aiuto

1 package require Tk
2
3 -button .hello -text "Hello, world" -command {
4 puts stdout "Hello, world"; destroy .
5 }
6 pack .hello
7
8 |

Una volta premuto il bottone all'interno della piccola finestra, ecco il saluto finale...

```
>"C:\Tcl\bin\wish85.exe" "C:\Tcl\demos\hello.tcl"  
Hello, world
```

li=8 co=1 INS (CR+LF)
Oggetti: 2



Gestino



C:\Tcl\demos\hello.tcl - SciTE

```
File Modifica Cerca Visualizza Strumenti Opzioni Linguaggio Finestra Aiuto
```

1 package require Tk
2
3 -button .hello -text "Hello, world" -command {
4 puts stdout "Hello, world"; destroy .
5 }
6 pack .hello
7
8 |

Qui finisce il nostro piccolo tutorial sull'uso del linguaggio TCL con il mio editor preferito, "SciTE".

Il materiale utilizzato :

* SciTE -> <http://www.redchar.net>
* Interprete TCL -> <http://www.tcl.tk>

```
>"C:\Tcl\bin\wish85.exe" "C:\Tcl\demos\hello.tcl"  
Hello, world  
>Exit code: 0
```

li=8 co=1 INS (CR+LF)
Oggetti: 2



Gestino