



Course 592: Tk Programming (2 days)

Course Description...

TK is a widely used graphics library most closely associated with the TCL language, both developed by John Ousterhout. Although TK started out in 1991 as an X11 library, it has since been ported to virtually every popular GUI. (It's as close as Python comes to having a "standard" GUI.) There are TK bindings (the Tkinter modules) for most popular languages now, as well as many of the smaller languages.

As stated earlier, Tk is a language built on top of Tcl. It is a language for designing user interfaces. In its purest form, it requires knowledge of Tcl. ROI course *591, Tcl Programming*, provides the necessary background.

This class emphasizes *learning by doing!*

Prerequisites...

The course is 1½ days for groups with a programming background and 2 days for groups without.

****Programming experience is defined as 2 years of active programming.**

Course Outline...

Introduction to Tk

- Using wish
- The Label Widget
- Naming Widgets
- Configuring Widgets
- Creating Scripts

First Widgets

- Toplevel Widget
- Label Widget
- Message Widget



Frames and Geometry Managers

- Pack Manager
- Grid Manager
- Place Manager
- Using Frames

Buttons

- Button Widgets
- Button Attributes
- Commands and Buttons
- Keyboard Traversal

Creating Menus

- Menu Bars
- System Menus
- Popup Menus
- Option Menus
- Keyboard Traversal

Events

- bind Command
- Focus Events
- Keyboard Events
- Mouse Events
- Detecting Modifiers

Window Manager Interactions

- wm Command
- winfo Command

Advance Widgets

- Entry Widget
- Basic Text Widget
- Adding Scrollbars
- Lists of Other Widgets

Dialogs

- Message Dialog
- Focus and Grab
 - File Selection Dialog

Please contact your ROI representative to discuss course tailoring!!!