## This simple GUI covers the basics of Tkinter package. Similarly, you can add more widgets and change their configurations as desired.

## Widgets

Tkinter provides various controls, such as buttons, labels and text boxes used in a GUI application. These controls are commonly called Widgets. The list of commonly used Widgets are mentioned below

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| **WIDGET** | **DESCRIPTION** |
| Label | The Label widget is used to provide a single-line caption for other widgets. It can also contain images. |
| Menu | The Menu widget is used to provide various commands to a user. These commands are contained inside Menubutton. |
| Entry | The Entry widget is used to display a single-line text field for accepting values from a user. |
| Frame | The Frame widget is used as a container widget to organize other widgets. |
| Canvas | The Canvas widget is used to draw shapes, such as lines, ovals, polygons and rectangles, in your application. |
| Button | The Button widget is used to display buttons in your application. |
| Checkbutton | The Checkbutton widget is used to display a number of options as checkboxes. The user can select multiple options at a time. |
| Menubutton | The Menubutton widget is used to display menus in your application. |
| Radiobutton | The Radiobutton widget is used to display a number of options as radio buttons. The user can select only one option at a time. |
| Message | The Message widget is used to display multiline text fields for accepting values from a user. |
| tkMessageBox | This module is used to display message boxes in your applications. |
| Listbox | The Listbox widget is used to provide a list of options to a user. |
| Spinbox | The Spinbox widget is a variant of the standard Tkinter Entry widget, which can be used to select from a fixed number of values. |
| Text | The Text widget is used to display text in multiple lines. |
| Scale | The Scale widget is used to provide a slider widget. |
| Scrollbar | The Scrollbar widget is used to add scrolling capability to various widgets, such as list boxes. |
| Toplevel | The Toplevel widget is used to provide a separate window container. |
| LabelFrame | A labelframe is a simple container widget. Its primary purpose is to act as a spacer or container for complex window layouts. |
| PanedWindow | A PanedWindow is a container widget that may contain any number of panes, arranged horizontally or vertically. |

### **Geometry Management**

All Tkinter widgets have access to specific geometry management methods, which have the purpose of organizing widgets throughout the parent widget area. Tkinter exposes the following geometry manager classes: pack, grid, and place. Their description is mentioned below

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| **WIDGET** | **DESCRIPTION** |
| pack() | This geometry manager organizes widgets in blocks before placing them in the parent widget. |
| grid() | This geometry manager organizes widgets in a table-like structure in the parent widget. |
| place() | This geometry manager organizes widgets by placing them in a specific position in the parent widget. |