

Tkinter Events

1. Mouse Events

Event	Meaning
<Button-1>	Left mouse click
<Button-2>	Middle mouse click
<Button-3>	Right mouse click
<Double-Button-1>	Double left click
<Triple-Button-1>	Triple left click
<Enter>	Mouse enters widget
<Leave>	Mouse leaves widget
<Motion>	Mouse moves inside widget
<MouseWheel>	Mouse wheel scroll (Windows)
<ButtonRelease-1>	Left mouse button released

2. Keyboard Events

Event	Meaning
<Key>	Any key pressed
<KeyPress>	Any key pressed (same as <Key>)
<KeyRelease>	Key released
<Return>	Enter key pressed
<BackSpace>	Backspace key pressed
<Tab>	Tab key pressed
<Shift_L>	Left Shift key pressed
<Control_L>	Left Ctrl key pressed

Event	Meaning
<Alt_L>	Left Alt key pressed

You can also bind **specific keys** like: <a> , , <space> , <Escape> .

3. Focus Events

Event	Meaning
<FocusIn>	Widget gains focus
<FocusOut>	Widget loses focus

4. Window / Widget Events

Event	Meaning
<Configure>	Widget is resized or moved
<Expose>	Widget is redrawn
<Destroy>	Widget is destroyed
<Map>	Widget appears on screen
<Unmap>	Widget disappears from screen

5. Misc / Special Events

Event	Meaning
<Activate>	Window or widget becomes active
<Deactivate>	Window or widget loses active status
<Visibility>	Visibility of widget changes

Event	Meaning
<Enter> / <Leave>	Mouse enters or leaves widget

How to use them

```
1 widget.bind("<Key>", my_function)      # Keyboard
2 widget.bind("<Button-1>", my_function)  # Mouse click
3 widget.bind("<Enter>", my_function)     # Mouse hover
```

- `my_function(event)` automatically receives an **event object** with info like:
 - `event.x` → mouse x-coordinate
 - `event.y` → mouse y-coordinate
 - `event.keysym` → key pressed