UNIVERSITAS INTERNASIONAL BATAM

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Python GUI

Chapter 11

Teknik Pemprograman

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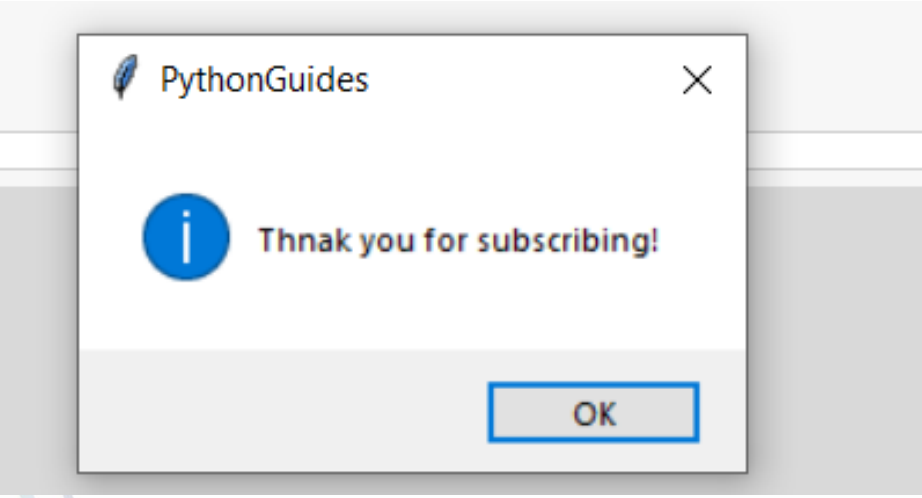
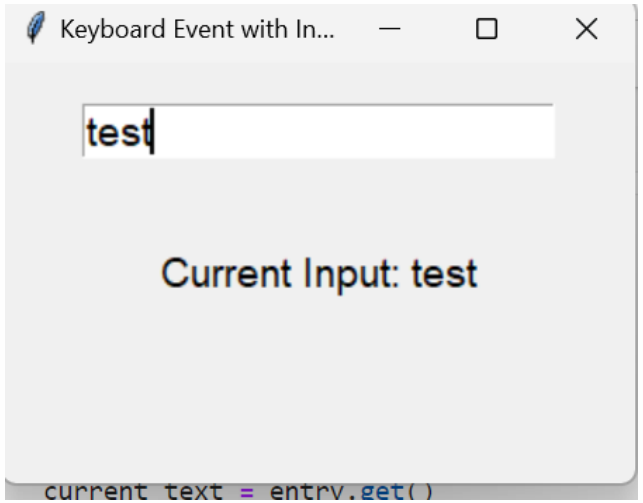
Notification




```
from tkinter import *
from tkinter import messagebox

ws = Tk()
ws.title('PythonGuides')

def subscribe():
    return messagebox.showinfo('PythonGuides','Thnak you for subscribing!')

Button(ws, text="Subscribe", command=subscribe).pack(pady=20)


ws.mainloop()
```

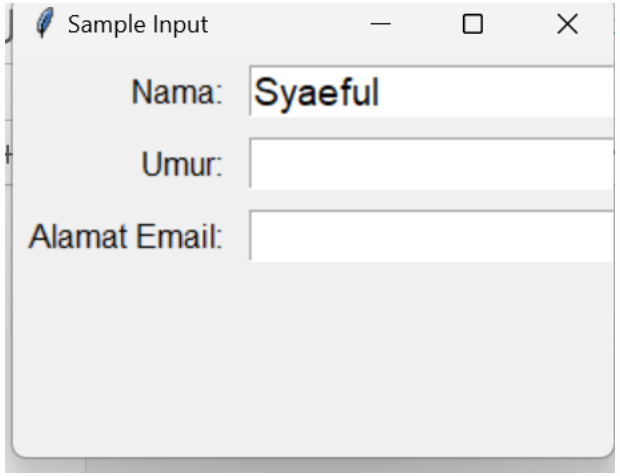
Binding to keyboard events tkinter

```python
import tkinter as tk

root = tk.Tk()
root.title("Keyboard Event with Input")
root.geometry("300x200")

def on_key(event):
    current_text = entry.get()
    label.config(text=f"Current Input: {current_text}")

entry = tk.Entry(root, font=("Helvetica", 14))
entry.pack(pady=20)

entry.bind("<KeyRelease>", on_key)

label = tk.Label(root, text="Type something...", font=("Helvetica", 14))
label.pack(pady=20)

# Run the application
root.mainloop()
```



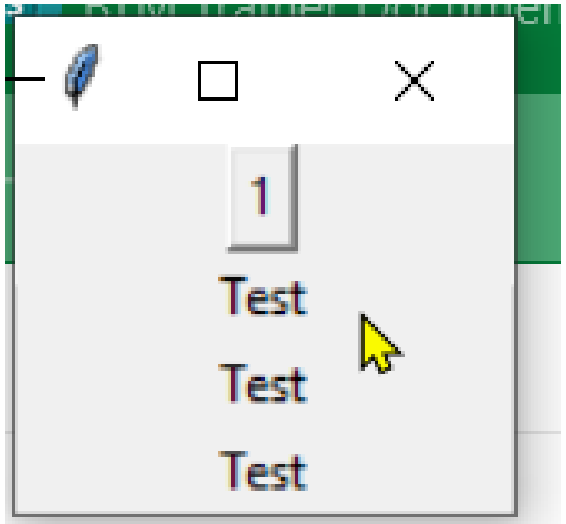
Keypress

```
import tkinter as tk

root = tk.Tk()
root.title("Sample Input")
root.geometry("300x200")

def focus_next_widget(event):
    event.widget.tk_focusNext().focus()
    return "break"

label1 = tk.Label(root, text="Nama:", font=("Helvetica", 12))
label1.grid(row=0, column=0, padx=5, pady=5, sticky="e")
entry1 = tk.Entry(root, font=("Helvetica", 14))
entry1.grid(row=0, column=1, padx=5, pady=5)
label2 = tk.Label(root, text="Umur:", font=("Helvetica", 12))
label2.grid(row=1, column=0, padx=5, pady=5, sticky="e")
entry2 = tk.Entry(root, font=("Helvetica", 14))
entry2.grid(row=1, column=1, padx=5, pady=5)
label3 = tk.Label(root, text="Alamat Email:", font=("Helvetica", 12))
label3.grid(row=2, column=0, padx=5, pady=5, sticky="e")
entry3 = tk.Entry(root, font=("Helvetica", 14))
entry3.grid(row=2, column=1, padx=5, pady=5)
entry1.bind("<Return>", focus_next_widget)
entry2.bind("<Return>", focus_next_widget)
entry3.bind("<Return>", focus_next_widget)
root.mainloop()
```



Sample If

```
from tkinter import *

app = Tk()
def k():
    if button1["text"] == "1":
        l = Label(app,text="Test")
        l.pack()

button1 = Button(app,text="1",command=k)
button1.pack()

app.mainloop()
```



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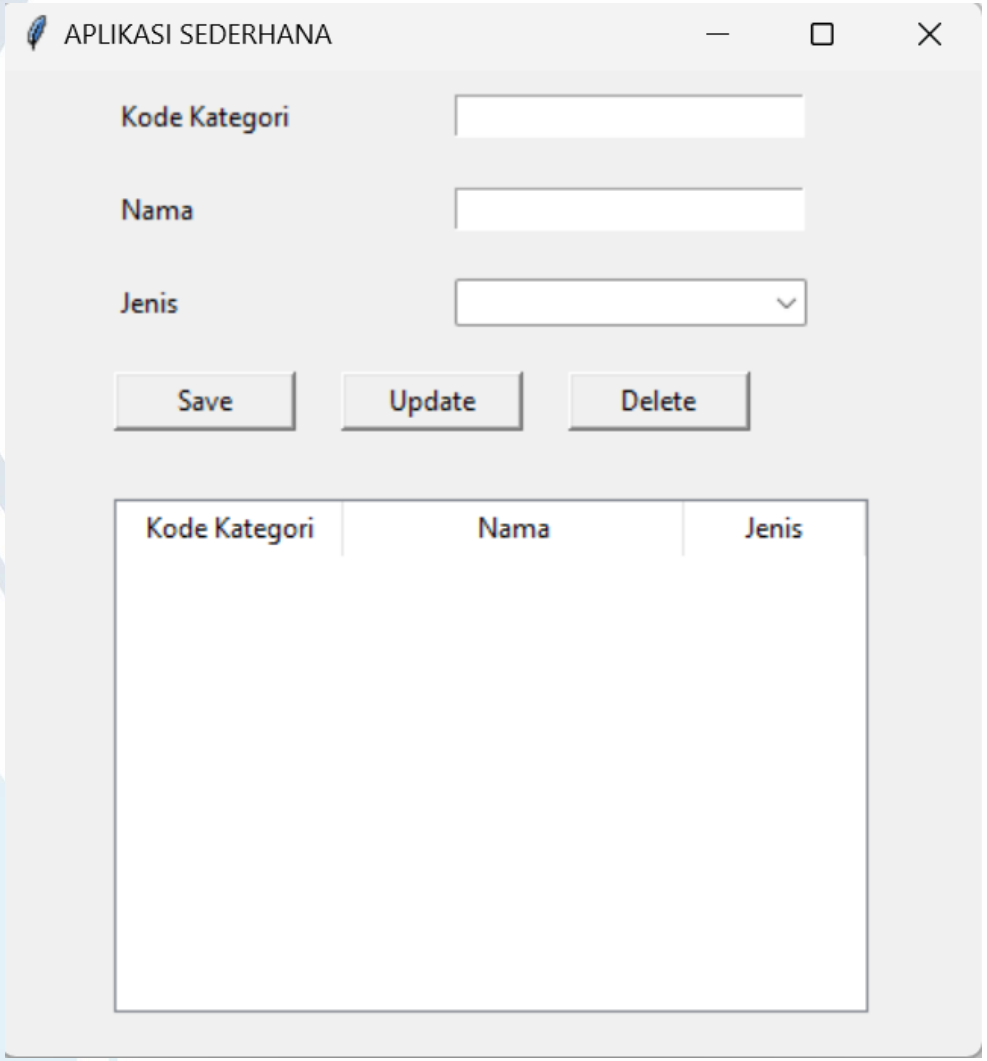
Form CRUD




```
# Treeview Table
columns = ('Kode Kategori', 'Nama', 'Jenis')
Table = ttk.Treeview(root, columns=columns, show='headings')
Table.grid(row=4, column=0, padx=(50,50), pady=20, sticky=tk.W)

# Define column headings
Table.heading('Kode Kategori', text='Kode Kategori')
Table.heading('Nama', text='Nama')
Table.heading('Jenis', text='Jenis')

# Adjust column widths
Table.column('Kode Kategori', width=100)
Table.column('Nama', width=150)
Table.column('Jenis', width=80)

# Bind select event to the Treeview
Table.bind('<ButtonRelease-1>', select_data)
```

Button Save

```
import tkinter as tk
from tkinter import ttk

def save_data():
    # Get values from entries and combobox
    kode_kategori = entry1.get()
    nama = entry2.get()
    jenis = Combobox.get()

    # Insert data into the Treeview
    if kode_kategori and nama and jenis:  # Check if all fields are filled
        Table.insert('', 'end', values=(kode_kategori, nama, jenis))

        # Clear the input fields after saving
        entry1.delete(0, tk.END)
        entry2.delete(0, tk.END)
        Combobox.set("")
```

Select Data

```
def select_data(event):
    # Get selected row
    selected_item = Table.selection()
    if selected_item:
        # Get item values
        item_values = Table.item(selected_item)['values']
        if item_values:
            # Fill the entry fields with selected item values
            entry1.delete(0, tk.END)
            entry1.insert(0, item_values[0])
            entry2.delete(0, tk.END)
            entry2.insert(0, item_values[1])
            Combobox.set(item_values[2])
```

Button Update

```
def update_data():
    # Get selected row
    selected_item = Table.selection()
    if selected_item:
        # Update selected item with new values from entries
        Table.item(selected_item, values=(entry1.get(), entry2.get(), Combobox.get()))

        # Clear the input fields after updating
        entry1.delete(0, tk.END)
        entry2.delete(0, tk.END)
        Combobox.set("")
```

Button Delete

```
def delete_data():
    # Get selected row
    selected_item = Table.selection()
    if selected_item:
        # Delete selected item from Treeview
        Table.delete(selected_item)

        # Clear the input fields after deleting
        entry1.delete(0, tk.END)
        entry2.delete(0, tk.END)
        Combobox.set("")
```

Latihan kerjakan perkelompok

Buatlah Program untuk menampilkan :

Jika Total Belanja diatas 500.000, diskon 7% dan bonus Mug Cantik,

jika total Belanja range 100.000 - 499.000, diskon 5% dan bonus coca cola,

dan pembelian di bawah 100.00 tidak mendapatkan diskon dan bonus kupon potongan belanja

```
Total belanja: Rp 150000
Bonus Coca Cola
dan diskon 5%
Diskon: Rp 7500.0
Total Bayar: Rp 142500.0
Barang yang sudah di beli tidak dapat di tukar
Terimakasih Sudah Belanja di Toko ABC
```