

ixqicxspb

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Programming and Data Structures with Python Lab14. Designing Course Registration Form using Tkinter

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[1]: import tkinter as tk
from tkinter import messagebox

# Step 2: Create the main application window
root = tk.Tk()
root.title("Simple Form Application")
root.geometry("300x200") # Set window size

# Step 3: Create form elements
# Labels
label_name = tk.Label(root, text="Enter Name:")
label_email = tk.Label(root, text="Enter Email:")
# Entry fields
entry_name = tk.Entry(root)
entry_email = tk.Entry(root)

# Button
def submit_form():
    name = entry_name.get()
    email = entry_email.get()

    # Step 5: Implement form submission and data handling
    if name and email:
        # Perform any necessary validation or data processing here
        # For simplicity, just displaying a message
        messagebox.showinfo("Success", f"Form submitted:\nName: {name}\nEmail: {email}")
    else:
        # Step 6: Display error message
        messagebox.showerror("Error", "Please fill out all the fields.")

submit_button = tk.Button(root, text="Submit", command=submit_form)
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# Step 4: Position elements using the grid manager
label_name.grid(row=0, column=0, padx=10, pady=5, sticky="e")
entry_name.grid(row=0, column=1, padx=10, pady=5)
label_email.grid(row=1, column=0, padx=10, pady=5, sticky="e")
entry_email.grid(row=1, column=1, padx=10, pady=5)
submit_button.grid(row=2, columnspan=2, pady=10)

# Step 7: Run the application
root.mainloop()
```