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In [ ]: import tkinter as tk
import re

# Function to validate email using regular expression
def validate_email(email):
    pattern = r'^[\w\.-]+@[\w\.-]+\.\w+$'
    return re.match(pattern, email)

# Function to validate phone number using regular expression
def validate_phone(phone):
    pattern = r'^\d{10}$'
    return re.match(pattern, phone)

# Function to handle form submission
def submit_form():
    name = name_entry.get()
    email = email_entry.get()
    phone = phone_entry.get()

    if not name:
        status_label.config(text="Name is required")
    elif not validate_email(email):
        status_label.config(text="Invalid Email")
    elif not validate_phone(phone):
        status_label.config(text="Invalid Phone Number")
    else:
        status_label.config(text="Form submitted successfully")

# Create the main window
root = tk.Tk()
root.title("Automobile Management System")

# Labels
name_label = tk.Label(root, text="Name:")
email_label = tk.Label(root, text="Email:")
phone_label = tk.Label(root, text="Phone:")

# Entry Widgets
name_entry = tk.Entry(root)
email_entry = tk.Entry(root)
phone_entry = tk.Entry(root)

# Button to submit the form
submit_button = tk.Button(root, text="Submit", command=submit_form)

# Status Label
status_label = tk.Label(root, text="", fg="red")

# Layout using grid
name_label.grid(row=0, column=0, padx=10, pady=10)
name_entry.grid(row=0, column=1, padx=10, pady=10)
email_label.grid(row=1, column=0, padx=10, pady=10)
email_entry.grid(row=1, column=1, padx=10, pady=10)
phone_label.grid(row=2, column=0, padx=10, pady=10)
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phone_entry.grid(row=2, column=1, padx=10, pady=10)
submit_button.grid(row=3, columnspan=2, padx=10, pady=10)
status_label.grid(row=4, columnspan=2, padx=10, pady=10)

# Start the main loop
root.mainloop()
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