

Name: Avi Patle Roll No:15 SE3-(CSEDS)

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import tkinter as tk
from tkinter import messagebox

# Function to display the selected options
def submit():
    name = name_entry.get()
    gender = gender_var.get()
    skills = []
    if skill1_var.get():
        skills.append("Python")
    if skill2_var.get():
        skills.append("Java")
    if skill3_var.get():
        skills.append("C++")

    skill_text = ", ".join(skills) if skills else "None"

    info = f"Name: {name}\nGender: {gender}\nSkills: {skill_text}"
    messagebox.showinfo("Information Submitted", info)

# Function for custom dialog box
def custom_dialog():
    messagebox.showwarning("Custom Dialog", "This is a custom warning dialog!")

# Main window
root = tk.Tk()
root.title("User Information Form")
root.geometry("400x400")

# Label
tk.Label(root, text="User Information Form", font=("Arial", 18)).pack(pady=10)

# Name Entry
tk.Label(root, text="Enter your name:").pack(pady=5)
name_entry = tk.Entry(root, width=30)
name_entry.pack(pady=5)
```

```
# Radio Button for Gender
tk.Label(root, text="Select Gender:").pack(pady=5)
gender_var = tk.StringVar(value="None")
tk.Radiobutton(root, text="Male", variable=gender_var, value="Male").pack()
tk.Radiobutton(root, text="Female", variable=gender_var, value="Female").pack()

# Checkbox for Skills
tk.Label(root, text="Select Skills:").pack(pady=5)
skill1_var = tk.BooleanVar()
skill2_var = tk.BooleanVar()
skill3_var = tk.BooleanVar()

tk.Checkbutton(root, text="Python", variable=skill1_var).pack()
tk.Checkbutton(root, text="Java", variable=skill2_var).pack()
tk.Checkbutton(root, text="C++", variable=skill3_var).pack()

# Submit Button
tk.Button(root, text="Submit", command=submit).pack(pady=10)

# Custom Dialog Box Button
tk.Button(root, text="Show Custom Dialog", command=custom_dialog).pack(pady=10)

# Run the GUI loop
root.mainloop()
```

Output :

The image shows a Windows application window titled "User Information Form". The window contains the following elements:

- Title Bar:** "User Information Form" with standard minimize, maximize, and close buttons.
- Header:** "User Information Form" in a large, bold font.
- Form Fields:**
 - Enter your name:** A text input field containing "Avi Patle".
 - Select Gender:** Two radio buttons, "Male" (selected) and "Female".
 - Select Skills:** Three checkboxes, "Python" (checked), "Java", and "C++".
- Buttons:** "Submit" and "Show Custom Dialog".

Below the main window, a custom dialog box titled "Information Subm..." is displayed. It contains an information icon (blue circle with 'i') and the following text:

Name: Avi Patle
Gender: Male
Skills: Python

An "OK" button is located at the bottom of the dialog box.



Custom Dialog



This is a custom warning dialog!

OK