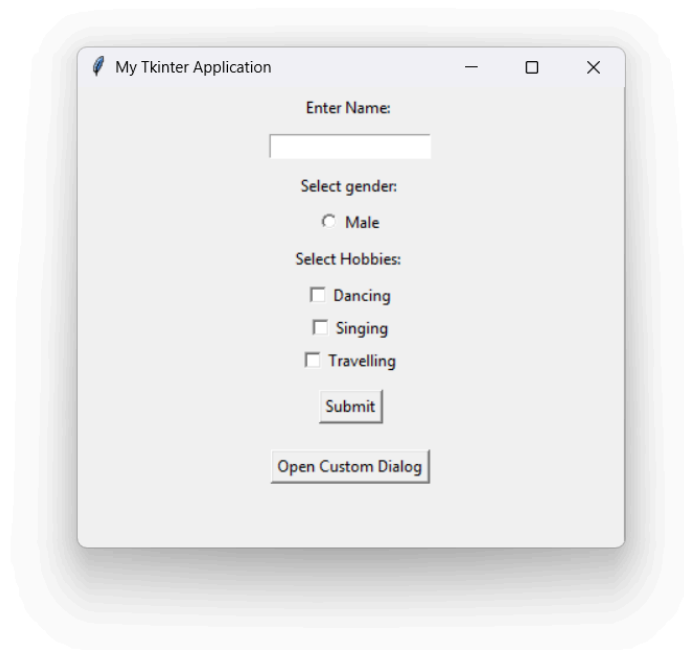


## EXP 04 : CODE

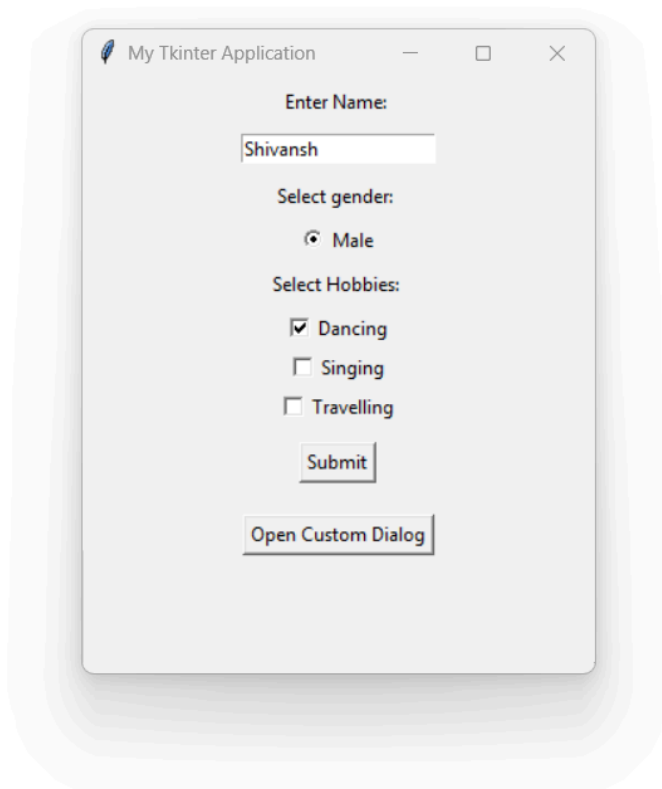
```
ex-02-1.py ex-02-2.py ex-03-1.py ex-03-2.py ex-03-3.py import tkinter as tk Untitled-1 xyz.txt
1 import tkinter as tk
2 from tkinter import messagebox
3
4 #function to handle form submission
5 def submit():
6     name = name_entry.get()
7     gender = gender_var.get()
8     hobbies = []
9     if hobby1_var.get():
10         hobbies.append("Dancing")
11     if hobby2_var.get():
12         hobbies.append("Singing")
13     if hobby3_var.get():
14         hobbies.append("Travelling")
15     hobbies_text = ", ".join(hobbies) if hobbies else "None"
16     messagebox.showinfo("Form Submitted", f"Name : {name} \n Gender : {gender} \n Hobbies : {hobbies_text}")
17
18 #function to show a custom dialog
19 def show_custom_dialogue():
20     top = tk.Toplevel(root)
21     top.title("Custom Dialogue")
22     top.geometry("250x150")
23
24     tk.Label(top, text="This is a custom dialog!").pack(pady=10)
25     tk.Button(top, text="OK", command=top.destroy).pack(pady=10)
26
27 #main window
28 root = tk.Tk()
29 root.title("My Tkinter Application")
30 root.geometry("500x500")
31
32 #label
33 tk.Label(root, text="Enter Name: ").pack(pady=5)
34 name_entry = tk.Entry(root)
35 name_entry.pack(pady=5)
36
37 #Radio Buttons for Gender
38 tk.Label(root, text="Select gender: ").pack(pady=5)
39 gender_var = tk.StringVar(value='None')
40 tk.Radiobutton(root, text="Male", variable=gender_var, value="Male").pack()
41
42 #Checkboxes for Hobbies
43 tk.Label(root, text="Select Hobbies: ").pack(pady = 5)
44 hobby1_var = tk.BooleanVar()
45 hobby2_var = tk.BooleanVar()
46 hobby3_var = tk.BooleanVar()
47
48 tk.Checkbutton(root, text="Dancing", variable=hobby1_var).pack()
49 tk.Checkbutton(root, text="Singing", variable=hobby2_var).pack()
50 tk.Checkbutton(root, text="Travelling", variable=hobby3_var).pack()
51
52 #submit button
53 tk.Button(root, text="Submit", command=submit).pack(pady=10)
54
55 #custom dialogue box
56 tk.Button(root, text="Open Custom Dialog", command = show_custom_dialogue).pack(pady=10)
57 root.mainloop()
```

## EXP 04 : OP

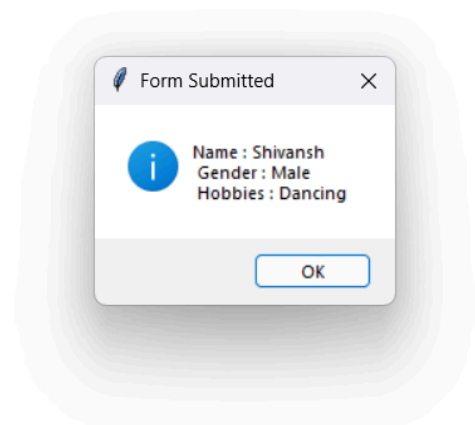


A screenshot of a Tkinter application window titled "My Tkinter Application". The window contains the following elements:

- Enter Name:** A text input field.
- Select gender:** A radio button labeled "Male".
- Select Hobbies:** Three checkboxes labeled "Dancing", "Singing", and "Travelling".
- Submit** button.
- Open Custom Dialog** button.



A screenshot of the same Tkinter application window after data entry. The "Enter Name:" field now contains "Shivansh". The "Select gender:" radio button "Male" is selected. The "Select Hobbies:" checkboxes "Dancing", "Singing", and "Travelling" are present, with "Dancing" checked. The "Submit" and "Open Custom Dialog" buttons are still visible.



A screenshot of a custom dialog box titled "Form Submitted". The dialog box displays the following information:

- Name :** Shivansh
- Gender :** Male
- Hobbies :** Dancing

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