Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Academic Year: 2024-25
Semester: IV
Class / Branch: SE AIML
Subject: Python Programming
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Experiment No.6

Aim: Creating GUI with Python

To explore the creation of Graphical User Interfaces (GUIs) using Python and its various widgets such as labels, textboxes, radio buttons, checkboxes, and custom dialog boxes.

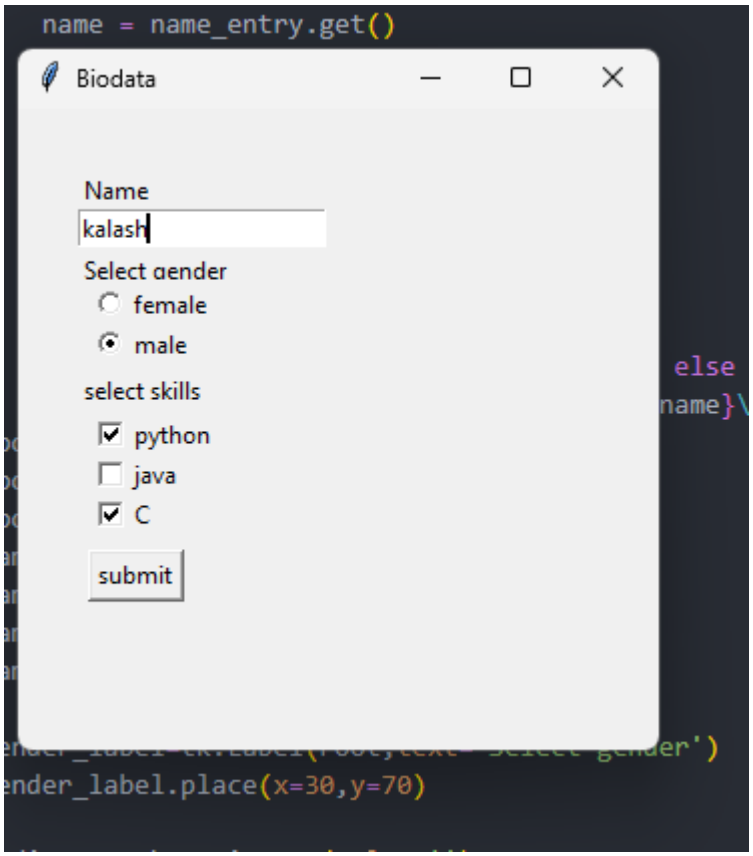
Program:

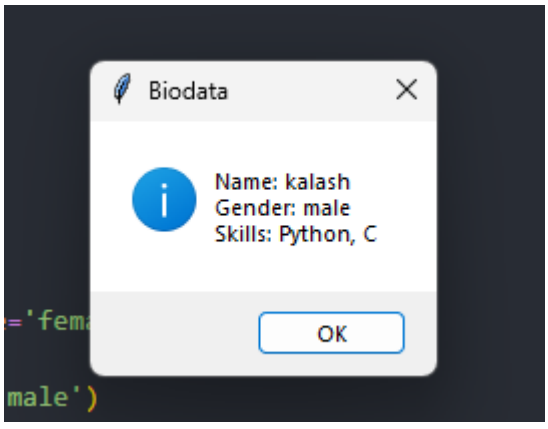
Welcome | SOME.PY | min.py | t.py | Untitled-1.html | image.png | ran.py

t.py > ...

```python
import tkinter as tk
from tkinter import messagebox
def submit_details():
    name = name_entry.get()
    gender = radio_var.get()
    skills = []
    if check_var1.get():
        skills.append("Python")
    if check_var2.get():
        skills.append("Java")
    if check_var3.get():
        skills.append("C")
    skill_text = ", ".join(skills) if skills else "None"
    messagebox.showinfo("Biodata", f"Name: {name}\nGender: {gender}\nSkills: {skill_text}")
root=tk.Tk()
root.geometry('320x320')
root.title('Biodata')
name=tk.Label(root,text='Name')
name.place(x=30,y=30)
name_entry=tk.Entry(root,show='')
name_entry.place(x=30,y=50)

gender_label=tk.Label(root,text='Select gender')
gender_label.place(x=30,y=70)

radio_var=tk.StringVar(value='')
radio1=tk.Radiobutton(root,text='female',variable=radio_var,value='female')
radio1.place(x=35,y=85)
radio2=tk.Radiobutton(root,text='male',variable=radio_var,value='male')
radio2.place(x=35,y=105)

skill_label=tk.Label(root,text='select skills')
skill_label.place(x=30,y=130)
check_var1 = tk.IntVar()
check_var2 = tk.IntVar()
check_var3 = tk.IntVar()
ck1=tk.Checkbutton(root, text="python", variable=check_var1)
ck2=tk.Checkbutton(root, text="java ", variable=check_var2)
ck3=tk.Checkbutton(root, text="C", variable=check_var3)
ck1.place(x=35,y=150)
ck2.place(x=35,y=170)
ck3.place(x=35,y=190)

button=tk.Button(root,text='submit',command=submit_details)
button.place(x=35,y=220)
root.mainloop()
```

Output:





Conclusion: Creating GUIs with Python using libraries like Tkinter allows for the development of interactive and user-friendly applications. Understanding the basics of GUI programming and various widgets is essential for building effective user interfaces.