Experiment – IV

Aim:
a) WAP to develop form using tkinter module and different tkinter widgets.
b) Display user information entered in the form.

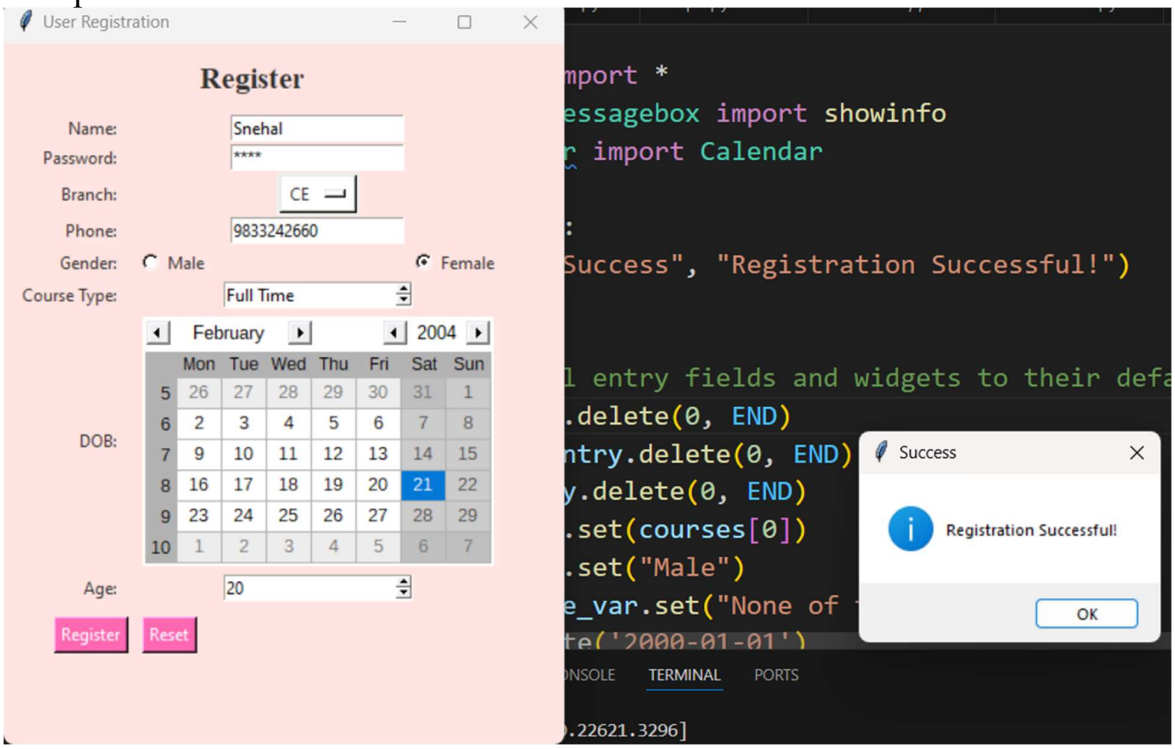
Input Code:

```
from tkinter import *
from tkinter.messagebox import showinfo
from tkcalendar import Calendar

def register():
    showinfo("Success", "Registration Successful!")

def reset():
    for entry in (name_entry, password_entry, phone_entry,
course_type_spinbox, age_spinbox):
        entry.delete(0, END)
    course_var.set(courses[0])
    gender_var.set("Male")
    course_type_var.set("None of the above")
    cal.set_date('2000-01-01')

win = Tk()
win.geometry('400x500')
win.title("User Registration")
win.config(bg="#FFE4E1")

form_frame = Frame(win, bg="#FFE4E1")
form_frame.pack(expand=True, fill='both')

Label(form_frame, text="Register", font=("Times", 16, "bold"), bg="#FFE4E1",
fg="#333").grid(row=0, column=0, columnspan=2, pady=10)
Label(form_frame, text="Name:", bg="#FFE4E1", fg="#333").grid(row=1, column=0,
padx=10, sticky='e')
name_entry = Entry(form_frame)
name_entry.grid(row=1, column=1)

Label(form_frame, text="Password:", bg="#FFE4E1", fg="#333").grid(row=2,
column=0, padx=10, sticky='e')
password_entry = Entry(form_frame, show="*")
password_entry.grid(row=2, column=1)
```

```
Label(form_frame, text="Branch:", bg="#FFE4E1", fg="#333").grid(row=3,
column=0, padx=10, sticky='e')
courses = ["AIDS", "AIML", "CSE-IOT", "CE", "EXTC", "IT", "ECS", "MECH"]
course_var = StringVar(value=courses[0])
course_dropdown = OptionMenu(form_frame, course_var, *courses)
course_dropdown.config(bg="#fff", fg="#333")
course_dropdown.grid(row=3, column=1)

Label(form_frame, text="Phone:", bg="#FFE4E1", fg="#333").grid(row=4,
column=0, padx=10, sticky='e')
phone_entry = Entry(form_frame)
phone_entry.grid(row=4, column=1)

Label(form_frame, text="Gender:", bg="#FFE4E1", fg="#333").grid(row=5,
column=0, padx=10, sticky='e')
gender_var = StringVar(value="Male")
Radiobutton(form_frame, text="Male", variable=gender_var, value="Male",
bg="#FFE4E1", fg="#333").grid(row=5, column=1, sticky='w')
Radiobutton(form_frame, text="Female", variable=gender_var, value="Female",
bg="#FFE4E1", fg="#333").grid(row=5, column=1, sticky='e')

Label(form_frame, text="Course Type:", bg="#FFE4E1", fg="#333").grid(row=6,
column=0, padx=10, sticky='e')
course_type_var = StringVar(value="None of the above")
course_type_spinbox = Spinbox(form_frame, values=("Full Time", "Part Time",
"None of the above"), textvariable=course_type_var)
course_type_spinbox.grid(row=6, column=1)

Label(form_frame, text="DOB:", bg="#FFE4E1", fg="#333").grid(row=7, column=0,
padx=10, sticky='e')
cal = Calendar(form_frame, background='white', foreground='black',
selectmode='day')
cal.grid(row=7, column=1, padx=5, pady=5)

Label(form_frame, text="Age:", bg="#FFE4E1", fg="#333").grid(row=8, column=0,
padx=10, sticky='e')
age_spinbox = Spinbox(form_frame, from_=18, to=100)
age_spinbox.grid(row=8, column=1)

register_button = Button(form_frame, text="Register", command=register,
bg="#FF69B4", fg="white")
register_button.grid(row=9, column=0, pady=10, padx=5, sticky="e")

reset_button = Button(form_frame, text="Reset", command=reset, bg="#FF69B4",
fg="white")
reset_button.grid(row=9, column=1, pady=10, padx=5, sticky="w")
```

```
win.mainloop()
```

Output:



Conclusion: Program has been successfully implemented and output has been obtained.