Batch: A3 **Experiment Number:6**

Roll Number:16010423099 **Name: Suryanshu Banerjee**

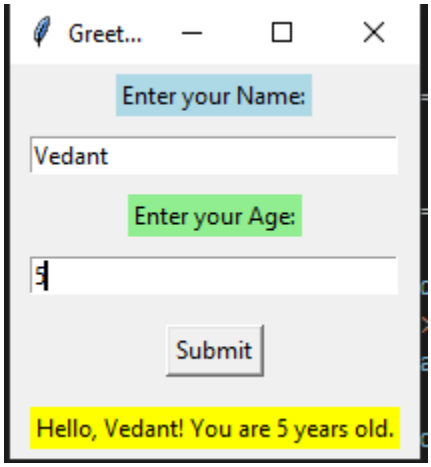
Aim of the Experiment: To introduce GUI development using Tkinter module in Python

Program/ Steps:

```
import tkinter as tk


def greet(event):
    name = ent_name.get()
    age = ent_age.get()
    if name and age:
        greeting_message = f"Hello, {name}! You are {age} years old."
        lbl_output.config(text=greeting_message)
    else:
        lbl_output.config(text="Please enter both name and age.")


window = tk.Tk()
window.title("Greeting Application")


lbl_name = tk.Label(window, text="Enter your Name:", bg="lightblue", fg="black")
lbl_name.pack(padx=10, pady=5)


ent_name = tk.Entry(window, width=30)
ent_name.pack(padx=10, pady=5)
```

```
lbl_age = tk.Label(window, text="Enter your Age:", bg="lightgreen", fg="black")
lbl_age.pack(padx=10, pady=5)

ent_age = tk.Entry(window, width=30)
ent_age.pack(padx=10, pady=5)

btn_submit = tk.Button(window, text="Submit")
btn_submit.bind("<Button-1>", greet)
btn_submit.pack(padx=10, pady=10)

lbl_output = tk.Label(window, text="", bg="yellow", fg="black")
lbl_output.pack(padx=10, pady=5)

window.mainloop()
```

Output/Result:



Post Lab Question-Answers:

None.

Outcomes:

CO4: Designing a graphical interface, Database Connectivity and Multithreading for python applications.

Conclusion (based on the Results and outcomes achieved):

Successfully applied tkinter and created a graphical user interface.

References:

Books/ Journals/ Websites referred:

1. Reema Thareja, *Python Programming: Using Problem Solving Approach*, Oxford University Press, First Edition 2017, India
2. Sheetal Taneja and Naveen Kumar, *Python Programming: A modular Approach*, Pearson India, Second Edition 2018,India