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**Code:**

import tkinter as tk

def greet():

name = entry.get()

gender = gender\_var.get()

greeting\_label.config(text=f"Hello, {name}! You are {gender}.")

# Create the main window

root = tk.Tk()

root.title("Simple GUI")

# Add a Label

label = tk.Label(root, text="Enter your name:")

label.pack()

# Add an Entry widget

entry = tk.Entry(root)

entry.pack()

# Add a Label for gender selection

gender\_label = tk.Label(root, text="Select your gender:")

gender\_label.pack()

# Variable to hold the selected gender

gender\_var = tk.StringVar()

# Add Male and Female Radiobuttons

male\_radio = tk.Radiobutton(root, text="Male", variable=gender\_var, value="male")

male\_radio.pack()

female\_radio = tk.Radiobutton(root, text="Female", variable=gender\_var, value="female")

female\_radio.pack()

# Set default gender

gender\_var.set("male")

# Add a Button

button = tk.Button(root, text="Greet", command=greet)

button.pack()

# Add a Label to display the greeting

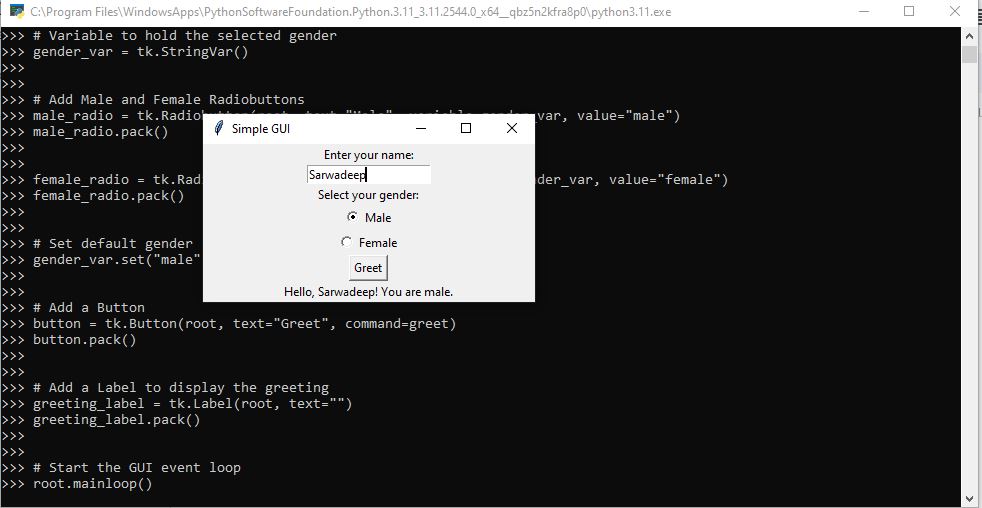
greeting\_label = tk.Label(root, text="")

greeting\_label.pack()

# Start the GUI event loop

root.mainloop()

**Output:**

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**Conclusion:**

Tkinter is a versatile and accessible GUI toolkit for Python, offering a range of widgets and geometry managers to create interactive and visually appealing applications. Its integration with Python and ease of use make it a popular choice for developing desktop applications with graphical interfaces.