Create a simple calculator which can perform simple arithmetic operations like add, subtract, division, multiplication etc.

Pthon code :

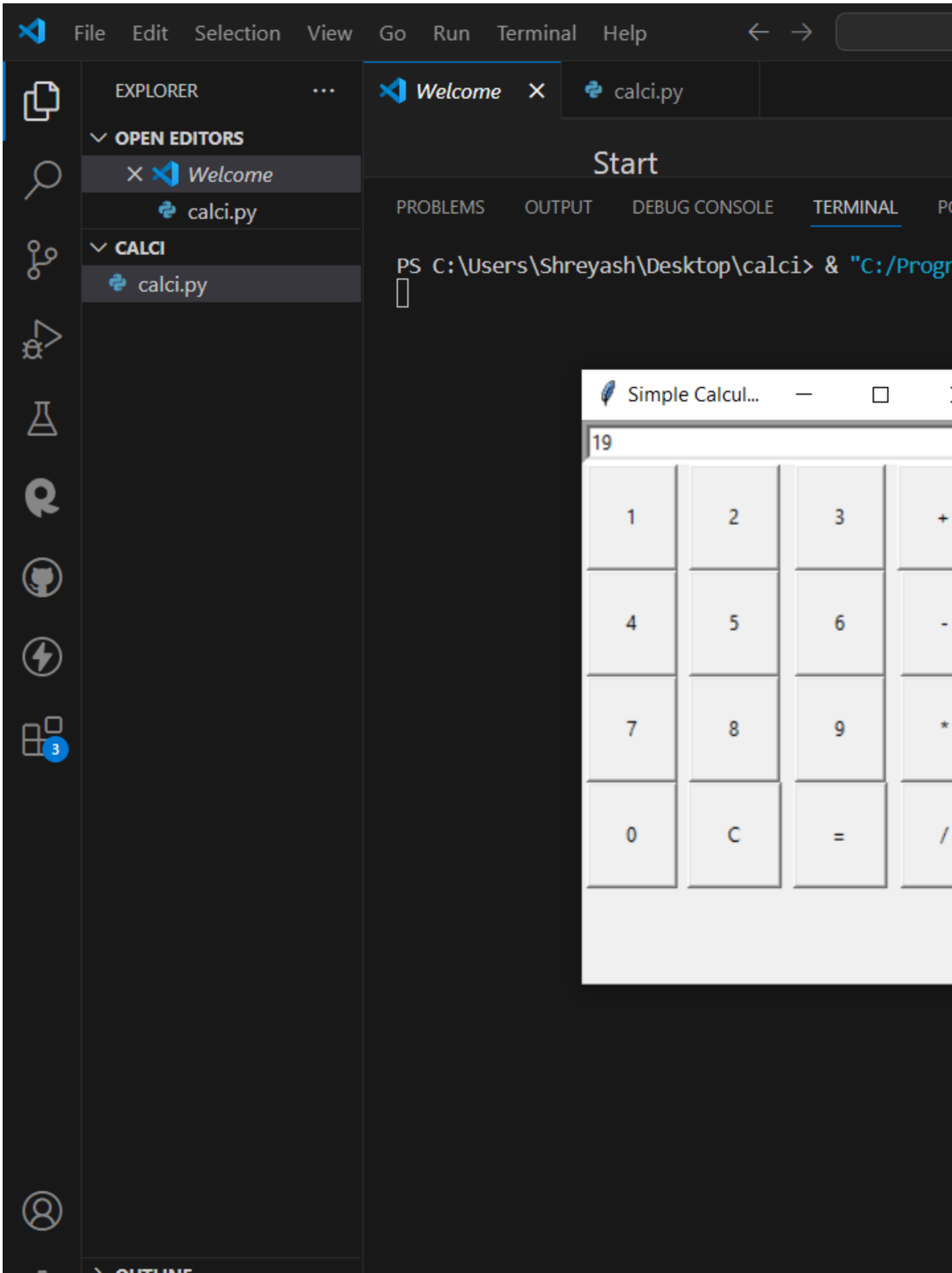
```
import tkinter as tk

# Create the main window
root = tk.Tk()
root.title("Simple Calculator")

# Create an Entry widget to display the expression
expression = ""
entry = tk.Entry(root, width=40, borderwidth=5)
entry.grid(row=0, column=0, columnspan=4)

def button_click(number):
    global expression
    expression += str(number)
    entry.delete(0, tk.END)
    entry.insert(tk.END, expression)

def button_clear():
    global expression
    expression = ""
    entry.delete(0, tk.END)
```

```
def button_equal():
    global expression
    try:
        result = str(eval(expression))
        entry.delete(0, tk.END)
        entry.insert(tk.END, result)
        expression = result
    except:
        entry.delete(0, tk.END)
        entry.insert(tk.END, "Error")
        expression = ""

# Define buttons
button_1 = tk.Button(root, text="1", padx=20, pady=20, command=lambda: button_click(1))
button_2 = tk.Button(root, text="2", padx=20, pady=20, command=lambda: button_click(2))
button_3 = tk.Button(root, text="3", padx=20, pady=20, command=lambda: button_click(3))
button_4 = tk.Button(root, text="4", padx=20, pady=20, command=lambda: button_click(4))
button_5 = tk.Button(root, text="5", padx=20, pady=20, command=lambda: button_click(5))
button_6 = tk.Button(root, text="6", padx=20, pady=20, command=lambda: button_click(6))
button_7 = tk.Button(root, text="7", padx=20, pady=20, command=lambda: button_click(7))
button_8 = tk.Button(root, text="8", padx=20, pady=20, command=lambda: button_click(8))
button_9 = tk.Button(root, text="9", padx=20, pady=20, command=lambda: button_click(9))
button_0 = tk.Button(root, text="0", padx=20, pady=20, command=lambda: button_click(0))

button_add = tk.Button(root, text="+", padx=20, pady=20, command=lambda: button_click("+"))
button_subtract = tk.Button(root, text="-", padx=20, pady=20, command=lambda: button_click("-"))
```

```
button_multiply = tk.Button(root, text="*", padx=20, pady=20, command=lambda: button_click("*"))

button_divide = tk.Button(root, text="/", padx=20, pady=20, command=lambda: button_click("/"))


button_equal = tk.Button(root, text="=", padx=20, pady=20, command=button_equal)

button_clear = tk.Button(root, text="C", padx=20, pady=20, command=button_clear)


# Place buttons on the grid

button_1.grid(row=1, column=0)

button_2.grid(row=1, column=1)

button_3.grid(row=1, column=2)


button_4.grid(row=2, column=0)

button_5.grid(row=2, column=1)

button_6.grid(row=2, column=2)


button_7.grid(row=3, column=0)

button_8.grid(row=3, column=1)

button_9.grid(row=3, column=2)


button_0.grid(row=4, column=0)


button_add.grid(row=1, column=3)

button_subtract.grid(row=2, column=3)

button_multiply.grid(row=3, column=3)

button_divide.grid(row=4, column=3)


button_equal.grid(row=4, column=2)
```

```
button_clear.grid(row=4, column=1)


# Run the application

root.mainloop()
```

output :


File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
Welcome
calci.py
CALCI
calci.py
Welcome
calci.py
Start
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\Shreyash\Desktop\calci> & "C:/Progr
Simple Calcul...
19
1 2 3 +
4 5 6 -
7 8 9 *
0 C = /