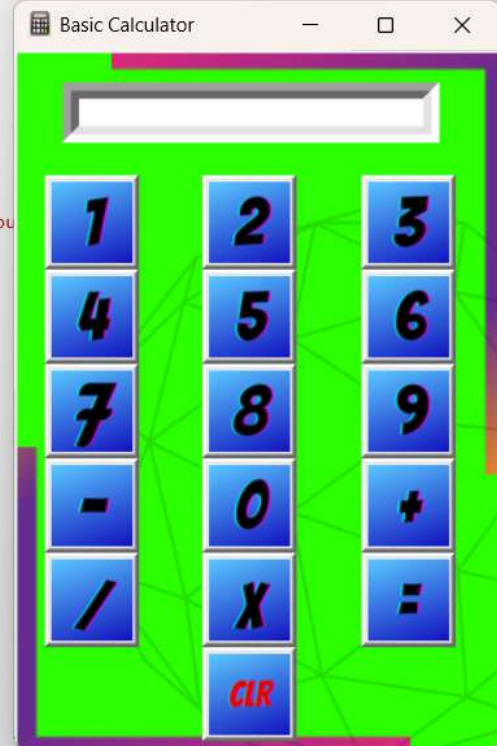Code

JupyterLab   Python 3 (ipykernel)

```python
from tkinter import *
from PIL import ImageTk, Image
#Function to initialize the calculator
def init_calculator():
    rt = Tk()
    rt.title("Basic Calculator")
    rt.iconbitmap("C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\Calc-icon.ico")
    rt.geometry("300x430")
    bg = ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\300x430_backgrou
    bg_label= Label(rt, image=bg)
    bg_label.place(x=0, y=0)
    e = Entry(rt, width=35, borderwidth=10, font=("Times", 10))
    e.grid(row=0, column=0, pady=20, padx=30, columnspan=3)
# Load images
    images = {
"1": ImageTk.PhotoImage (file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\1.png"),
"2": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\2.png"),
"3": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\3.png"),
"4": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\4.png"),
"5": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\5.png"),
"6": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\6.png"),
"7": ImageTk.PhotoImage (file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\7.png"),
"8": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\8.png"),
"9": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\9.png"),
"0": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\10.png"),
"+": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\11.png"),
"-": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\12.png"),
"*": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\13.png"),
"/": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\14.png"),
"=": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\15.png"),
"C": ImageTk.PhotoImage(file="C:\\Users\\pandi\\Downloads\\Calculator Photo-20241216T161628Z-001\\Calculator Photo\\16.png"),
}
    def button_click(number):
        current = e.get()
```

Basic Calculator

1 2 3
4 5 6
7 8 9
- 0 +
/ X =
CLR

```python
def button_click(number):
    current = e.get()
    e.delete(0, END)
    e.insert(0, str (current) + str(number))
def button_add():
    first_number = e.get()
    global f_num
    global maths
    maths = "addition"
    f_num = int(first_number)
    e.delete(0, END)
def button_sub():
    first_number = e.get()
    global f_num
    global maths
    maths = "subtraction"
    f_num= int(first_number)
    e.delete(0, END)
def button_div():
    first_number = e.get()
    global f_num
    global maths
    maths = "division"
    f_num= int(first_number)
    e.delete(0, END)
def button_mult():
    first_number = e.get()
    global f_num
    global maths
    maths = "multiplication"
    f_num= int(first_number)
    e.delete(0, END)
def button_equals():
    second_number = e.get()
```

Code

JupyterLab 🔗   ✳   Python 3 (ipykernel) ●
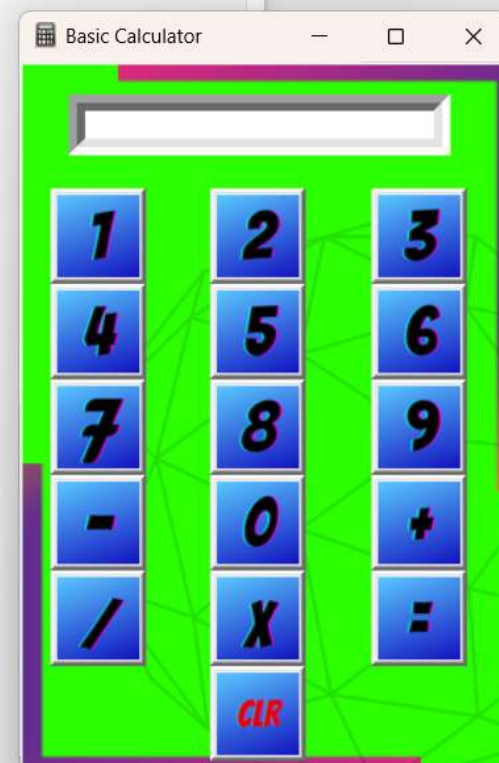
```python
            if maths == "subtraction":
                e.insert(0, f_num - int(second_number))
            if maths == "multiplication":
                e.insert(0, f_num * int(second_number))
            if maths == "division":
                e.insert(0, f_num / int(second_number))
        def button_clear():
            e.delete(0, END)

    buttons = {
"1": (1, 0, lambda: button_click(1)),
"2": (1, 1, lambda: button_click(2)),
"3": (1, 2, lambda: button_click(3)),
"4": (2, 0, lambda: button_click(4)),
"5": (2, 1, lambda: button_click(5)),
"6": (2, 2, lambda: button_click(6)),
"7": (3, 0, lambda: button_click(7)),
"8": (3, 1, lambda: button_click(8)),
"9": (3, 2, lambda: button_click(9)),
"0": (4, 1, lambda: button_click(0)),
"+": (4, 2, button_add),
"-": (4, 0, button_sub),
"*": (5, 1, button_mult),
"/": (5, 0, button_div),
"=": (5, 2, button_equals),
"C": (6, 1, button_clear),
}

    for btn, (row, col, cmd) in buttons.items():
        Button(rt, border="3", image=images[btn], command=cmd).grid(row=row, column=col)
# Keep references to images
    rt.images = images
    rt.mainloop()
init_calculator()
```