jupyter Untitled Last Checkpoint: 2 minutes ago

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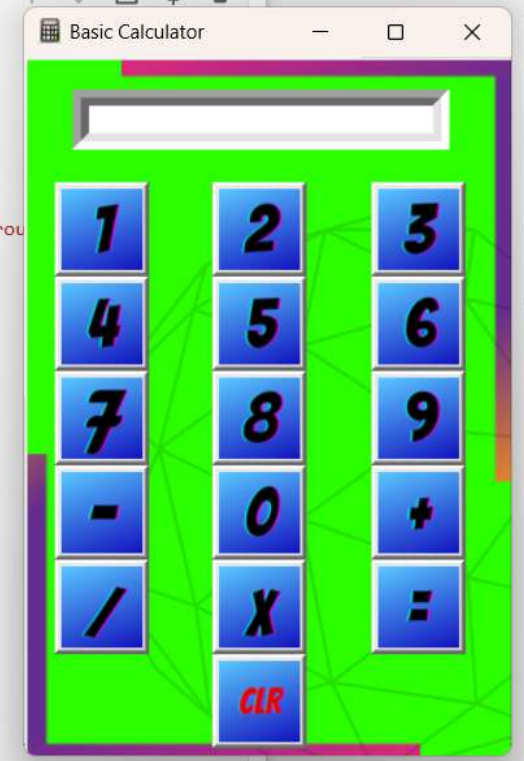
Code

JupyterLab Python 3 (ipykernel)

[*]:
```
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()
```



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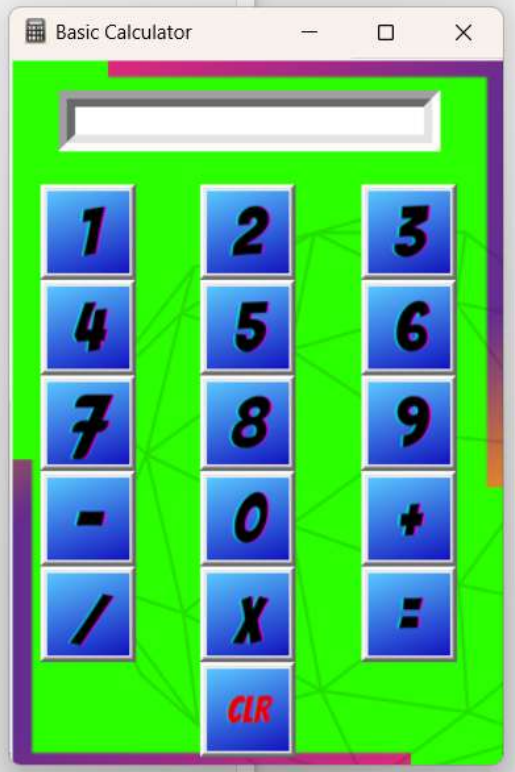
Code

JupyterLab Python 3 (ipykernel)

```
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()
```



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Code

JupyterLab

Python 3 (ipykernel)

```
    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()
```