

Mini Project

Submitted by:

Rishi.R

```
import tkinter as tk
import tkinter.messagebox
from tkinter.constants import SUNKEN

window=tk.Tk()
window.title('Calculator')
frame=tk.Frame(master=window,bg="coral",padx=10)
frame.pack()
entry=tk.Entry(master=frame,relief=SUNKEN,borderwidth=3,width=30)
entry.grid(row=0,column=0,columnspan=3,ipady=2,pady=2)

def myclick(number):
    entry.insert(tk.END,number)

def equal():
    try:
        y=str(eval(entry.get()))
        entry.delete(0,tk.END)
        entry.insert(0,y)
    except:
        tkinter.messagebox.showinfo("Error","Syntax Error")

def clear():
    entry.delete(0,tk.END)

button_1=tk.Button(master=frame,text='1',padx=15,pady=5,width=3,command=lambda:myclick(1))
button_1.grid(row=1,column=0,pady=2)
button_2=tk.Button(master=frame,text='2',padx=15,pady=5,width=3,command=lambda:myclick(2))
button_2.grid(row=1,column=1,pady=2)
button_3=tk.Button(master=frame,text='3',padx=15,pady=5,width=3,command=lambda:myclick(3))
button_3.grid(row=1,column=2,pady=2)
button_4=tk.Button(master=frame,text='4',padx=15,pady=5,width=3,command=lambda:myclick(4))
button_4.grid(row=2,column=0,pady=2)
button_5=tk.Button(master=frame,text='5',padx=15,pady=5,width=3,command=lambda:myclick(5))
button_5.grid(row=2,column=1,pady=2)
button_6=tk.Button(master=frame,text='6',padx=15,pady=5,width=3,command=lambda:myclick(6))
button_6.grid(row=2,column=2,pady=2)
```

```

button_7=tk.Button(master=frame,text='7',padx=15,pady=5,width=3,command=lambda:mycli
ck(7))
button_7.grid(row=3,column=0,pady=2)
button_8=tk.Button(master=frame,text='8',padx=15,pady=5,width=3,command=lambda:mycli
ck(8))
button_8.grid(row=3,column=1,pady=2)
button_9=tk.Button(master=frame,text='9',padx=15,pady=5,width=3,command=lambda:mycli
ck(9))
button_9.grid(row=3,column=2,pady=2)
button_0=tk.Button(master=frame,text='0',padx=15,pady=5,width=3,command=lambda:mycli
ck(0))
button_0.grid(row=4,column=1,pady=2)

button_add=tk.Button(master=frame,text="+",padx=15,pady=5,width=3,command=lambda:m
yclick('+'))
button_add.grid(row=5,column=0,pady=2)

button_subtract=tk.Button(master=frame,text="-",padx=15,pady=5,width=3,command=lambd
a:myclick('-'))
button_subtract.grid(row=5,column=1,pady=2)

button_multiply=tk.Button(master=frame,text="*",padx=15,pady=5,width=3,command=lambd
a:myclick('*'))
button_multiply.grid(row=5,column=2,pady=2)

button_div=tk.Button(master=frame,text="/",padx=15,pady=5,width=3,command=lambda:m
y click('/'))
button_div.grid(row=6,column=0,pady=2)

button_div=tk.Button(master=frame,text="%",padx=15,pady=5,width=3,command=lambda:m
yclick('%'))
button_div.grid(row=7,column=0,pady=2)

button_clear=tk.Button(master=frame,text="clear",padx=15,pady=5,width=12,command=clea
r)
button_clear.grid(row=6,column=1,columnspan=2,pady=2)

button_equal=tk.Button(master=frame,text="=",padx=15,pady=5,width=9,command=equal
) button_equal.grid(row=7,column=1,columnspan=2,pady=2)

window.mainloop()

```

