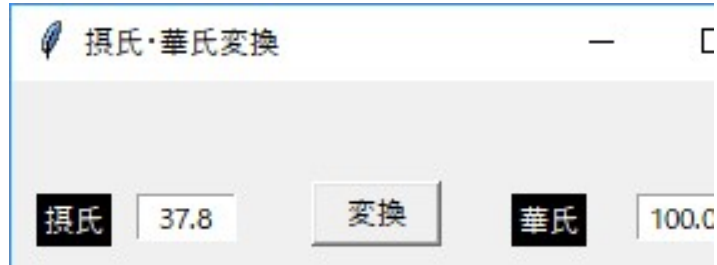


tkinter(Tk interface) : Python interface to Tcl/Tk <https://docs.python.org/3/library/tk.html>

```
# Python GUI
# 摂氏温度を華氏温度に変化する
import tkinter
```

```
#変数設定
```

```
# 配置
y0 = 45
```



```
# Tk の top level widget (main window)の生成. widget>window gadget = GUI 部品
```

```
root = tkinter.Tk()
root.title("摂氏・華氏変換")      # window のタイトル
root.geometry("350x100")         # window サイズ, maxsize(350, 100)
```

```
#Label 摂氏
```

```
label_1 = tkinter.Label(root, text = "摂氏", foreground = '#ffffff', background = '#000000')
label_1.place(x = 10, y = y0)
```

```
#Entry (1 行入力 Box) 摂氏温度
```

```
c_editbox = tkinter.Entry(root, justify = "center", width = 6) # justify: "left", "center", "right", "fill".
c_editbox.place(x = 50, y = y0)
```

```
#Label 華氏
```

```
label_2 = tkinter.Label(text = "華氏", foreground = '#ffffff', background = '#000000')
label_2.place(x = 200, y = y0)
```

```
#Entry:1 行入力 Box 華氏温度
```

```
f_editbox = tkinter.Entry(root, justify = "center", width = 8)
f_editbox.place(x = 250, y = y0)
```

```
#変換ボタン
```

```
# ボタンが押されると以下の関数が呼び出される
```

```
def celsius_to_fahrenheit(c):
    c = c_editbox.get()
    f = 5.0*float(c)/9.0 + 32.0
    f_editbox.delete(0, tkinter.END)      # clear
    f_editbox.insert(0, str(f)[0:5] + " ℉") # 挿入
```

```
button = tkinter.Button(root, text = "変換", width = 6)
```

```
#ボタンにイベント登録: 左クリック (<Button-1>) されると, celsius_to_fahrenheit 関数を呼び出す
```

```
button.bind("<Button-1>", celsius_to_fahrenheit)
button.place(x = 120, y = y0 - 5)
```

```
root.mainloop()      # start the program: イベントループ開始
```

参考: お気楽 Python/Tkinter 入門: http://www.geocities.jp/m_hiroi/light/pytk01.html