第10课 Tkinter

- Python有许多图形用户界面(GUI)模块可用于用开发GUI程序。
- 实验2中的turtle模块,可以绘制几何图形,但是我们不能使用turtle创建图形用户界面。
- Tkinter能够开发GUI项目,是"T k interface"的缩写(发音为T-K-Inter)。
- Tk是许多编程语言用来在Windows、Mac和UNIX上开发GUI程序的GUI库。
- Tkinter为Python程序员提供了一个使用Tk GUI库的接口,它实际上是用Python开发GUI程序的标准。
- 使用Tkinter开发GUI程序,同时也是学习面向对象编程的优秀工具

- tkinter模块包含用于创建GUI的类。
- Tk类创建一个窗口,用于保存GUI小部件(即可视化组件)。

from tkinter import * #导入tkinter模块

```
root = Tk() #创建一个窗口
label = Label(root, text = "Welcome to Python")
#创建一个标签
button = Button(root, text = "Click Me")
#创建一个按钮

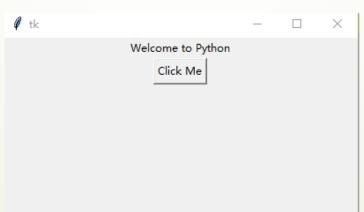
label.pack() #在窗口中显示标签
button.pack() #在窗口中显示按钮

root.mainloop() #创建事件循环
```

```
from tkinter import *
root = Tk()
label = Label(root, text = "Welcome to Python")
button = Button(root, text = "Click Me")
```

#Label和Button是用于创建标签和按钮的Python Tkinter小部件类。 小部件类的第一个参数始终是父"容器"(即小部件将被放置在 其中的容器)。

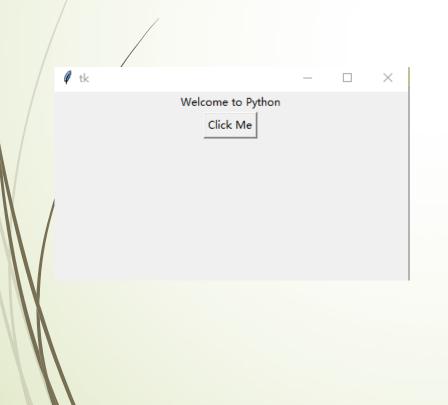
label.pack() #使用pack管理器在容器中放置标签。在本例 button.pack() 中,pack管理器逐行放置窗口中的小部件。

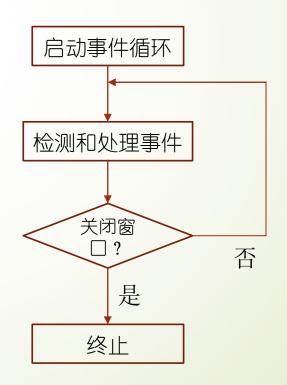


Tkinter GUI编程是事件驱动的。显示用户界面后,程序等待用户交互,如鼠标单击和按键。

root.mainloop()

#创建事件循环



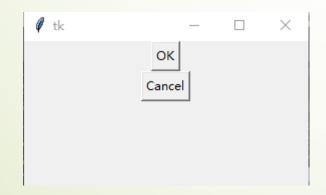


Tkinter小部件可以绑定到函数,该函数在事件发生时调用。

- 当用户单击按钮时,程序应处理此事件。
- •通过定义处理函数并将函数绑定到按钮,可以启用此操作。

```
def processOK():
    print("OK button is clicked")
def processCancel():
    print("Cancel button is clicked")
root = Tk()
btOK = Button(root, text = "OK", command = processOK)
btCancel = Button(root, text = "Cancel", command = processCancel)
btOK.pack()
btCancel.pack()
root.mainloop()
```

程序定义了函数processOK和processCancel。这些函数在构造按钮时绑定到按钮。这些函数称为回调函数(callback function)或处理函数(handler)。



```
OK button is clicked
OK button is clicked
OK button is clicked
Cancel button is clicked
Cancel button is clicked
Cancel button is clicked
```

在命令窗口中监视正在处理的事件。

面向对象的写法

```
class ProcessButtonEvent:
   def init (self):
       window = Tk()
       btOK = Button(window, text = "OK", command = self.processOK)
       btCancel = Button(window, text = "Cancel",
                         command = self.processCancel)
       btOK.pack()
                                     程序定义了一个ProcessButtonEvent类,在构造
       btCancel.pack()
                                     函数 init 中创建GUI。函数processOK和
                                     processCancel现在是类中的实例方法,因此它
       window.mainloop()
                                     们由self.processOK和self.processCancel调用。
   def processOK(self):
       print("OK button is clicked")
   def processCancel(self):
       print("Cancel button is clicked")
ProcessButtonEvent()
```

面向对象的写法

```
class ProcessButtonEvent:
   def init (self):
       window = Tk()
       btOK = Button(window, text = "OK", command = self.processOK)
       btCancel = Button(window, text = "Cancel"
                        command = self.processCancel)
       btOK.pack()
                                    定义类用于创建GUI和处理GUI事件的优点:
       btCancel.pack()
                                    (1) 将来重用该类。
                                    (2) 所有函数定义为类的方法, 使它们能够访
       window.mainloop()
                                    问类中的实例数据。
   def processOK(self):
       print("OK button is clicked")
   def processCancel(self):
       print("Cancel button is clicked")
ProcessButtonEvent()
```

Tkinter的GUI类定义常见的GUI小部件,如按钮、标签、单选按钮、检查按钮、条目、画布和其他。

小部件	解释
Button	一个简单的按钮,用于执行命令
Canvas	结构化图形,用于绘制图形和绘图、创建图形编辑器和实现自定义 小部件
Checkbutton	单击复选按钮,可在值之间切换
Entry	文本输入字段,也称为文本字段或文本框
Frame	用于包含其他小部件的容器小部件
Label	显示文本或图像
Menu	菜单窗格,用于实现下拉菜单和弹出菜单
Menubutton	一种菜单按钮,用于实现下拉菜单
Message	显示文本。类似于label小部件,但可以自动将文本包装为给定的宽 度或纵横比
Radiobutton	单击单选按钮可将变量设置为该值,并清除与同一变量关联的所有 其他单选按钮
Text	格式化文本显示。显示和编辑具有各种样式和属性的文本。还支持 嵌入图像和窗口

```
class WidgetsDemo:
                                                    check button is checked
   def init (self):
                                                    check button is unchecked
       window = Tk()
                                                    check button is checked
       window.title("Widgets Demo") #标题
                                                    check button is unchecked
       # Frame: 用于包含其他小部件的容器小部件
       frame1 = Frame(window)
       frame1.pack()
       # Checkbutton: 单击复选按钮,可在值之间切换
       self.v1 = IntVar()
       cbtBold = Checkbutton(frame1, text = "Bold",
           variable = self.v1, command = self.processCheckbutton)
       cbtBold.grid(row = 1, column = 1)
                                           网格几何图形管理器用于将复选按钮
                                           放置到frame1中。
       window.mainloop()
   def processCheckbutton(self):
       print("check button is "
           + ("checked " if self.v1.get() == 1 else "unchecked"))
```

Bold

可以使用文本字段输入值。该值必须是IntVar、DoubleVar或StringVar的对象, 分别表示整数、浮点数或字符串,它们在tkinter模块中定义。

如果选中复选按钮, v1被设为1

Red is selected

```
class WidgetsDemo:
   def init (self):
       # Radiobutton单击单选按钮可将变量设置为该值,
       # 并清除与同一变量关联 所有 其他单选按钮
       self.v2 = IntVar()
       rbRed = Radiobutton(frame1, text = "Red", bg = "red",
               variable = self.v2, value = 1,
               command = self.processRadiobutton)
       rbYellow = Radiobutton (frame1, text = "Yellow",
               bg = "yellow", variable = self.v2, value = 2,
               command = self.processRadiobutton)
                                                      如果选中红色单选按钮,则v2设置为1:
       rbRed.grid(row = 1, column = 2)
                                                      如果洗中黄色单洗按钮,则v2设置为2。
       rbYellow.grid(row = 1, column = 3)
       window.mainloop()
    def processRadiobutton(self):
       print(("Red" if self.v2.get() == 1 else "Yellow") + " is selected " )
                                                    Widgets Demo
            Widgets Demo
                                                  Bold Red Yellow
          Bold Red Yellow
```

Yellow is selected

```
class WidgetsDemo:
   def init (self):
       frame2 = Frame(window) # 在window创建新的frame2
       frame2.pack()
       label = Label(frame2, text = "Enter name: ")
        self.name = StringVar()
        entryName = Entry(frame2, textvariable = self.name)
       btGetName = Button(frame2, text = "Get Name",
           command = self.processButton)
       message = Message(frame2, text = "Name Msg")
       label.grid(row = 1, column = 1)
       entryName.grid(row = 1, column = 2)
       btGetName.grid(row = 1, column = 3)
       message.grid(row = 1, column = 4)
        text = Text(window) # Create a text add to the window
                                                       END选项指定将文本插入到当前内容的结尾。
       text.pack()
        text.insert(END, "Tip\n Please study Python well!")
```

	Widgets Demo	
	Bold Red Yellow	
Enter name:	Get	t Name Msg
Tip Please study Python w	vell!	

如何更改小部件(颜色、字体和文本等)?

思考processRadiobutton方法 实现的功能。

self.rbRed["bq"] = "white"

```
class WidgetsDemo:
   def init (self):
       window = Tk()
       window.title("Widgets Demo")
       frame1 = Frame(window)
       frame1.pack()
       self.v2 = IntVar()
       self.rbRed = Radiobutton(frame1, text = "Red", bg = "white",
               variable = self.v2, value = 1,
               command = self.processRadiobutton)
       self.rbYellow = Radiobutton(frame1, text = "Yellow",
               bg = "white", variable = self.v2, value = 2,
               command = self.processRadiobutton)
       self.rbRed.grid(row = 1, column = 1)
       self.rbYellow.grid(row = 1, column = 2)
    def processRadiobutton(self):
                                                      如何更改小部件(颜色、字
           if self.v2.get() == 1:
                                                      体和文本等)?
               self.rbRed["bq"] = "red"
               self.rbYellow["bq"] = "white"
                                                      思考processRadiobutton方法
           elif self.v2.get() == 2:
                                                      实现的功能。
               self.rbYellow["bq"] = "yellow"
```

```
def processRadiobutton(self):
    if self.v2.get() == 1:
        self.rbRed["bg"] = "red"
        self.rbYellow["bg"] = "white"
    elif self.v2.get() == 2:
        self.rbYellow["bg"] = "yellow"
        self.rbRed["bg"] = "white"
```

如何更改小部件(颜色、字体和文本等)?

思考processRadiobutton方法 实现的功能: 更改背景颜色 (类似字典)





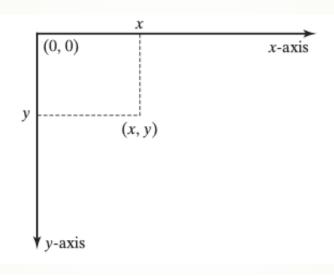
使用画布小部件显示形状,如矩形、椭圆形、圆弧,多边形等。

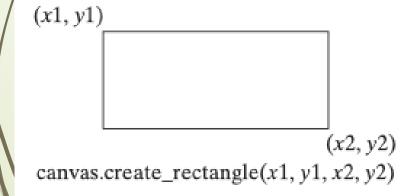
```
class CanvasDemo:
    def init (self):
       window = Tk()
        window.title("Canvas Demo")
        self.canvas = Canvas (window, width = 200, height = 100, bg = "white")
        self.canvas.pack()
        frame = Frame(window)
        frame.pack()
        window.mainloop()
                                 Canvas Demo
```

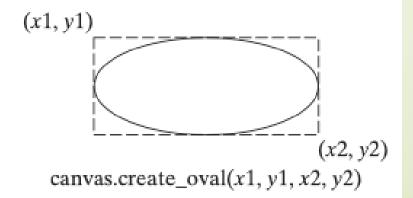
```
class CanvasDemo:
   def init (self):
        frame = Frame(window)
        frame.pack()
       btRectangle = Button(frame, text = "Rectangle", command = self.displayRect)
       btOval = Button(frame, text = "Oval", command = self.displayOval)
       btString = Button(frame, text = "String", command = self.displayString)
       btC/lear = Button(frame, text = "Clear", command = self.clearCanvas)
       ptRectangle.grid(row = 1, column = 1)
        btOval.grid(row = 1, column = 2)
       btString.grid(row = 1, column = 6)
       btClear.grid(row = 1, column = 7)
        window.mainloop()
                                                    Canvas Demo
                                    Rectangle Oval Arc Polygon Line String Clear
```

```
class CanvasDemo:
      def displayRect(self):
           self.canvas.create rectangle(10, 10, 190, 90, tags = "rect")
      def displayOval(self):
           self.canvas.create oval(10, 10, 190, 90, fill = "red", tags = "oval")
      def displayString(self):
           self.canvas.create text(60, 40, text = "Hi, I am a string",
                 font = "Times 10 bold underline", tags = "string")
      def clearCanvas(self):
           self.canvas.delete("rect", "oval", "arc", "polygon", "line", "string")
               Canvas Demo
                                                             Canvas Demo
  Rectangle Oval Arc Polygon Line String Clear
                                               Rectangle Oval Arc Polygon Line String Clear
               Canvas Demo
                                                             Canvas Demo
          Hi, I am a string
                                                         Hi, I am a string
  Rectangle Oval Arc Polygon Line String Clear
                                                Rectangle Oval Arc Polygon Line String Clear
```

self.canvas.create_rectangle(10, 10, 190, 90, tags = "rect")







几何图形管理器

- Tkinter使用几何管理器将小部件放置在容器中。
- Tkinter支持三个几何图形管理器: 网格(grid)管理器、包(pack)管理器和位置(place)管理器。

注意: 由于每个管理器都有自己的小部件放置样式,因此将小部件的管理器混合在同一容器中不是一个好的做法。可以使用frame部件作为子容器来实现所需的布局。

网格(grid)管理器

- •将小部件放入容器中不可见网格的单元格中。
- •将小部件放在指定的行和列中。
- •还可以使用rowspan和columnspan参数将小部件放置在多个行和列中。

```
class GridManagerDemo:
    window = Tk()
    window.title("Grid Manager Demo")
    message = Message (window, text = "This Message widget occupies
three rows and two columns")
    message.grid(row = 1, column = 1, rowspan = 3, columnspan = 2)
    Label (window, text = "First Name:").grid(row = 1, column = 3)
    Entry (window) .grid (row = 1, column = 4, padx = 5, pady = 5)
    Label (window, text = "Last Name:").grid(row = 2, column = 3)
    Entry (window) .grid (row = 2, column = 4)
    Button (window, text = "Get Name").grid(row = 3,
        padx = 5, pady = 5, column = 4, sticky = E)
    window.mainloop()
GridManagerDemo()
```

```
class GridManagerDemo:
   message = Message (window, text = "This Message widget occupies
three rows and two columns")
    message.grid(row = 1, column = 1, rowspan = 3, columnspan = 2)
    Label (window, text = "First Name:").grid(row = 1, column = 3)
    Entry (window) .grid (row = 1, column = 4, padx = 5, pady = 5)
    Label(window, text = "Last Name:").grid(row = 2, column = 3)
    Entry (window) .grid (row = 2, column = 4)
    Button (window, text = "Get Name").grid(row = 3,
        padx = 5, pady = 5, column = 4, sticky = E)
       Message 小部件放在第1,2,3 行和第1,2列合并的单元格
            C1
                  C2
                          C3
                                            C4
                         Grid Manager Demo
                       First Name:
     R1
         This Message
         widget occupies
     R2
                       Last Name:
         three rows and
         two columns
                                                 Get Name
     R3
```

class GridManagerDemo: message = Message (window, text = "This Message widget occupies three rows and two columns") message.grid(row = 1, column = 1, rowspan = 3, columnspan = 2) Label (window, text = "First Name:").grid(row = 1, column = 3) Entry (window) .grid (row = 1, column = 4, padx = 5, pady = 5) Label(window, text = "Last Name:").grid(row = 2, column = 3) Entry(window).grid(row = 2, column = 4) Button (window, text = "Get Name").grid(row = 3, padx = 5, pady = 5, column = 4, sticky = E) sticky=E选项在单元格中向东粘贴,使其与同一列中的条目小部件右对 齐 (S, N, E, W, NW, NE, SW, SE)。

	Grid Mana	ager Demo
This Message widget occupies three rows and two columns	First Name: Last Name:	
		Get Name

class GridManagerDemo: message = Message (window, text = "This Message widget occupies three rows and two columns") message.grid(row = 1, column = 1, rowspan = 3, columnspan = 2) Label (window, text = "First Name:").grid(row = 1, column = 3) Entry (window) .grid (row = 1, column = 4, padx = 5, pady = 5) Label(window, text = "Last Name:").grid(row = 2, column = 3) Entry(window).grid(row = 2, column = 4) Button (window, text = "Get Name").grid(row = 3, padx = 5, pady = 5, column = 4, sticky = E) padx和pady选项填充单元格中的水平和垂直空间。还可以使用ipadx和 ipady选项在小部件边框内填充的水平和垂直空间。

	Grid Mana	ager Demo	
This Message widget occupies three rows and two columns	First Name: Last Name:	Get Nam	
		Get Nam	C

包 (pack) 管理器

包管理器可以将小部件放在彼此的顶部或并排放置。

```
class PackManagerDemo:
    def init (self):
        window = Tk()
        window.title("Pack Manager Demo 1")
        Label (window, text = "Blue", bg = "blue").pack()
        Label (window, text = "Red", bg = "red").pack(
            fill = BOTH, expand = 1)
        Label (window, text = "Green", bg = "green").pack(
            fill = BOTH)
        window.mainloop()
PackManagerDemo()
                                          Pack Manager Demo 1
                                              Red
```

Green

包 (pack) 管理器

fill选项使用X、Y或BOTH来水平、垂直或双向填充。

expand选项告诉pack管理器为小部件框分配额外的空间



包 (pack) 管理器

标签使用side选项并排打包。side选项可以是LEFT、RIGHT、TOP或BOTTOM。默认情况下,设置为"TOP"。



位置 (place) 管理器

位置(place)管理器将小部件放置在绝对位置。

```
class PlaceManagerDemo:
    def init (self):
        window = Tk()
        window.title("Place Manager Demo")
        Label (window, text = "Blue", bg = "blue").place(
            x = 20, y = 20
        Label (window, text = "Red", bg = "red").place(
            x = 50, y = 50
        Label (window, text = "Green", bg = "green").place (
            x = 80, y = 80
                                         Place Manager Demo
        window.mainloop()
PlaceManagerDemo()
```

- 使用Tkinter创建菜单、弹出菜单和工具栏。
- 使用Menu类创建菜单栏和菜单,并使用add_command方法向菜单选项。

```
class MenuDemo:
    def __init__(self):
        window = Tk()
        window.title("Menu Demo")

        menubar = Menu(window)
        window.config(menu = menubar)

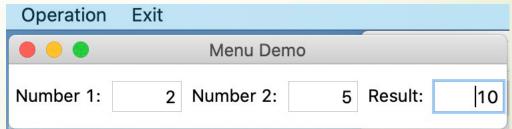
        mainloop()
```

```
class MenuDemo:
    def __init__(self):
        operationMenu = Menu(menubar, tearoff = 0)
        menubar.add cascade(label = "Operation", menu =
operationMenu)
        #要在菜单栏中创建菜单,将menubar用作父容器,并调用menubar的
add_cascade方法来设置menu标签。
        operationMenu.add command(label = "Add",
             command = self.add)
                                            Operation
                                             Add
                                                    nu Demo
                                             Subtract
        mainloop()
                                             Multiply
                                             Divide
def add(self):
       self.v3.set(eval(self.v1.get()) +
eval(self.v2.get()))
```

```
class / MenuDemo:
    def init (self):
        operationMenu = Menu(menubar, tearoff = 1)
        menubar.add cascade(label = "Operation", menu =
operationMenu)
        operationMenu.add command(label = "Add",
             command = self.add)
        mainloop()
                             X
                                               Operati...
                             Operation
                                                Add
                                                Subtract
                                                Multiply
                                                Divide
```

```
class MenuDemo:
    def __init__(self):
        exitmenu = Menu(menubar, tearoff = 0)
        menubar.add cascade(label = "Exit", menu = exitmenu)
        exitmenu.add command(label = "Quit", command =
window.quit)
                                     Operation
                                              Exit
                                               Quit
        mainloop()
```

```
class MenuDemo:
   def init (self):
        frame1 = Frame(window)
        frame1.grid(row = 2, column = 1, pady = 10)
       Label (frame1, text = "Number 1:").pack(side = LEFT)
        self.v1 = StringVar()
        Entry(frame1, width = 5, textvariable = self.v1,
              justify = RIGHT) .pack(side = LEFT)
        Label (frame1, text = "Number 2:").pack(side = LEFT)
        self.v2 = StringVar()
        Entry(frame1, width = 5, textvariable = self.v2,
              justify = RIGHT).pack(side = LEFT)
       Label(frame1, text = "Result:").pack(side = LEFT)
        self.v3 = StringVar()
        Entry(frame1, width = 5, textvariable = self.v3,
              justify = RIGHT).pack(side = LEFT) ...
        mainloop()
```



可以使用bind方法将鼠标和键盘键事件绑定到小部件。 以下语法将鼠标事件与回调处理程序绑定:

widget.bind(event, handler)

如果发生匹配事件event,则调用处理程序handler。 event是一个标准的Tkinter对象,在事件发生时自动创建。

每个handler都有一个event作为其参数

handler (event):

event对象有许多属性,描述与事件相关的事件。例如,对于鼠标事件,对象使用x,y属性以像素为单位捕获当前鼠标位置。

事件

事件	描述
<bi-motion></bi-motion>	在按住小部件时移动鼠标按钮
<button-i></button-i>	Button-1、Button-2和Button-3标识左、中、右按钮。当鼠标按钮按在小部件上时,Tkinter会自动获取鼠标指针的位置
<buttonreleased-i></buttonreleased-i>	释放鼠标按钮时
/ <double-button-i></double-button-i>	双击鼠标按钮时
<enter></enter>	鼠标指针进入小部件时
<key></key>	按键按下时
<leave></leave>	鼠标指针离开小部件时
<return></return>	按下回车键时
<shift+a></shift+a>	按下Shift+A键时

事件的属性

事件	描述
char	从键盘输入的用于键事件的字符
keycode	从键盘输入的用于键事件的键代码(即Unicode)。
keysym	从键盘输入的用于键事件的键符号(即字符)。
num	按钮编号(1、2、3)指示单击了哪个鼠标按钮
widget	触发此事件的小部件对象
x, y	小部件中的当前鼠标位置(像素)



```
class MouseKeyEventDemo:
    def __init__(self):
        window = Tk()
        window.title("Event Demo")
        canvas = Canvas(window, bg = "white", width = 200, height = 100)
        canvas.pack()

# 绑定<Button-1>事件
        canvas.bind("<Button-1>", self.processMouseEvent)

# 绑定<Key>事件
        canvas.bind("<Key>", self.processKeyEvent)
        canvas.focus_set()#获得键盘焦点:设置在画布上,以便画布接收来自键盘的输入
        window.mainloop()
```

Event Demo

class/MouseKeyEventDemo:

```
def processMouseEvent(self, event):
    print("clicked at", event.x, event.y)
    print("Position in the screen", event.x_root, event.y_root)
    print("Which button is clicked? ", event.num)

def processKeyEvent(self, event):
    print("keysym? ", event.keysym)
    print("char? ", event.char)
    print("keycode? ", event.keycode)
```

```
clicked at 29 28
                                          keysym? space
Position in the screen 723 500
                                          char?
Which button is clicked? 1
                                          keycode? 32
clicked at 77 81
                                          keysym? a
Position in the screen 771 553
                                          char? a
Which button is clicked? 1
                                          keycode? 97
clicked at 165 41
                                          keysym? Return
Position in the screen 859 513
                                          char?
Which button is clicked? 1
                                          keycode? 2359309
```

```
class EnlargeShrinkCircle:
    def init (self):
        self.radius = 50
        window = Tk()
        window.title("Control Circle Demo")
        self.canvas = Canvas(window, bg = "white",
            width = 200, height = 200)
        self.canvas.pack()
        self.canvas.create oval(
            100 - self.radius, 100 - self.radius,
            100 + self.radius, 100 + self.radius, tags = "oval")
        self.canvas.bind("<Button-1>", self.increaseCircle)
        self.canvas.bind("<Button-3>", self.decreaseCircle)

    Control Circle Demo

        window.mainloop()
     def increaseCircle(self, event):
        pass
     def decreaseCircle(self, event):
        pass
```

动画

```
class AnimationDemo:
    def init (self):
        window = Tk()
        window.title("Animation Demo")
        width = 250
        canvas = Canvas (window, bg = "white", width = 250, height = 50)
        canvas.pack()
        x = 0
        canvas.create_text(x, 30, text = "Message moving?", tags = "text")
        dx = 3
        while True:
            canvas.move("text", dx, 0)
            canvas.after(100)
            canvas.update()
            if x < width:
                x += dx
            else:
               x = 0
                canvas.delete("text")
                canvas.create text(x, 30, text = "Message moving?",
                    tags = "text")
        window.mainloop()
```

动画

```
class AnimationDemo:
             def init (self):
                dx = 3
                 while True:
                    canvas.move("text", dx, 0) # 移动文本dx单位
                    canvas.after(100) # 睡眠100毫秒
                    canvas.update() # 更新canvas
                    if x < width:
                        x += dx # 获取字符串的当前位置
                    else:
                        x = 0 # 将字符串位置重置为开头
                        canvas.delete("text")
                                   # 在开始处重画文本
                        canvas.create text(x, 30, text = "Message moving?", tags = "text")
                window.mainloop()
        Animation Demo
                                 Animation Demo
Message moving?
                                                               Animation Demo
                                  Message moving?
```

Message moving?

滚动条

滚动条小部件可用于垂直或水平滚动文本、画布或列表框小部件中的内容。

Scroll Text Demo

Mr. Utterson the lawyer was a man of a rugged countenance that was never lighted by a smile; cold, scanty and embarrassed in discourse; backward in sentiment; lean, long, dusty, dreary and yet somehow lovable. At friendly meetings, and when the wine was to his taste, something eminently human beaconed from his eye;

Scroll Text Demo

enjoyed the theater, had not crossed the doors of one for twenty years. But he had an approved tolerance for others; sometimes wondering, almost with envy, at the high pressure of spirits involved in their misdeeds; and in any extremity inclined to help rather than to reprove. "I incline

使用标准对话框显示消息框或提示用户输入数字和字符串。

import tkinter.messagebox

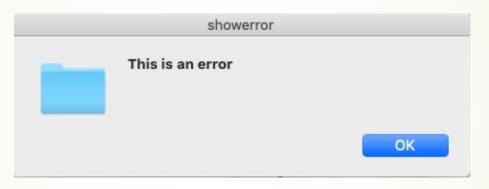
tkinter.messagebox.showinfo("showinfo", "This is an info msg")



tkinter.messagebox.showwarning("showwarning", "This is a warning")



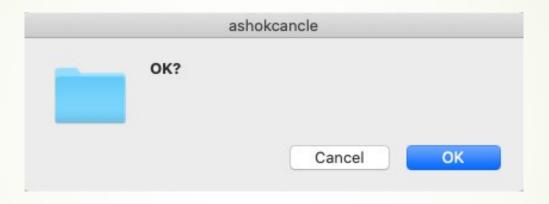
tkinter.messagebox.showerror("showerror", "This is an error")



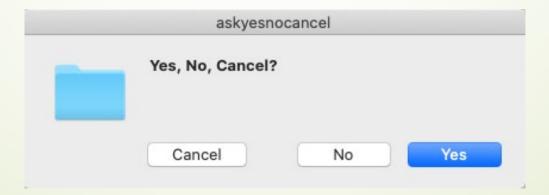
isYes = tkinter.messagebox.askyesno("askyesno", "Continue?")



isOK = tkinter.messagebox.askokcancel("ashokcancel", "OK?")



isYesNoCancel = tkinter.messagebox.askyesnocancel(
 "askyesnocancel", "Yes, No, Cancel?")



<pre>import tkinter.simpled name = tkinter.simpled</pre>	<pre>ialog ialog.askstring("askstring", "Enter your name")</pre>
	Enter your name Tom OK Cancel
age /= tkinter.simpledi	alog.askinteger("askinteger", "Enter your age")
	askinteger
	Enter your age 18 OK Cancel
<pre>weight = tkinter.simpl</pre>	edialog.askfloat("askfloat", "Enter your weight")
	⊗ → ⊕ askfloat
	Enter your weight 50
	OK Cancel