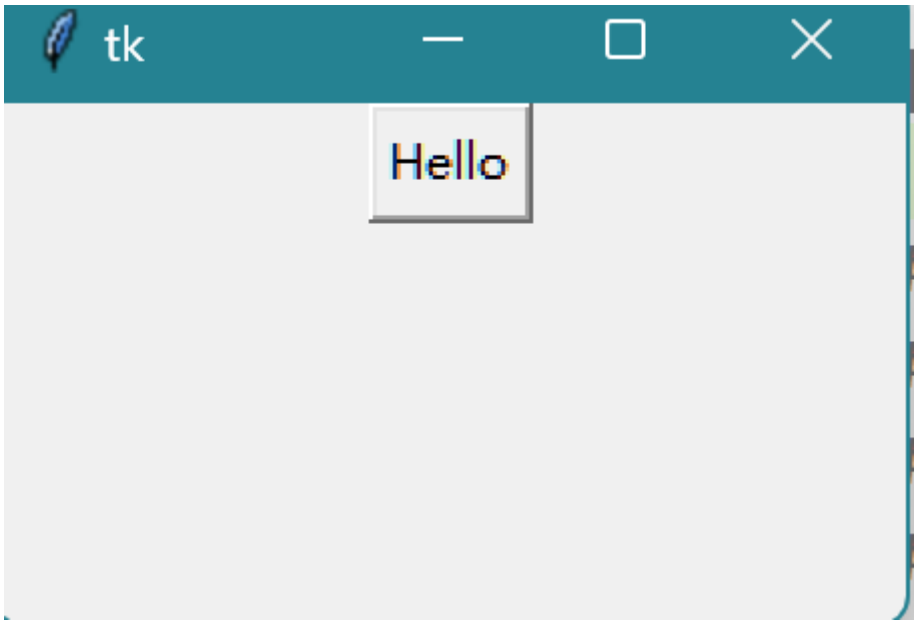
1

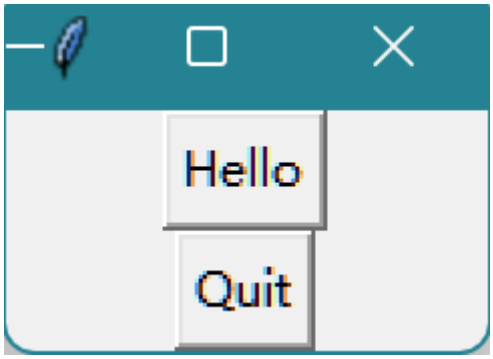
```
1  from tkinter import *
2  from tkinter import messagebox
3  root = Tk()
4  btnSayHi = Button(root)
5  btnSayHi["text"]="Hello"
6  btnSayHi.pack()
7  def sayHi(e):
8      messagebox.showinfo("Message","Hello, world!")
9  btnSayHi.bind("<Button-1>",sayHi)
0  root.mainloop()
```



2

```
import tkinter as tk
from tkinter import messagebox
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.pack()
        self.createWidgets()
    def createWidgets(self):
        self.btnSayHi = tk.Button(self)
        self.btnSayHi["text"] = "Hello"
        self.btnSayHi["command"] = self.sayHi
        self.btnSayHi.pack()

        self.btnQuit = tk.Button(self, text="Quit", command=root.destroy
        self.btnQuit.pack()
    def sayHi(self):
        tk.messagebox.showinfo("Message","Hello, world!")
root = tk.Tk()
app = Application(master=root)
app.mainloop()
```



3

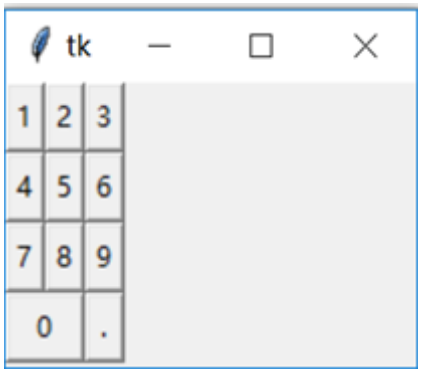
```
from tkinter import *
root = Tk(); root.title("登录")
f1 = Frame(root); f1.pack()
f2 = Frame(root); f2.pack()
f3 = Frame(root); f3.pack()
Label(f1, text="用户名").pack(side=LEFT)
Entry(f1).pack(side=LEFT)
Label(f2, text="密　码").pack(side=LEFT)
Entry(f2, show="*").pack(side=LEFT)
Button(f3, text="登录").pack(side=RIGHT)
Button(f3, text="取消").pack(side=RIGHT)
root.mainloop()
```

4

```
from tkinter import *
root = Tk(); root.title("登录")
Label(root, text="用户名").grid(row=0, column=0)
Entry(root).grid(row=0, column=1, columnspan=2)
Label(root, text="密　码").grid(row=1, column=0)
Entry(root, show="*").grid(row=1, column=1, columnspan=2)
Button(root, text="登录").grid(row=3, column=1, sticky=E)
Button(root, text="取消").grid(row=3, column=2, sticky=W)
root.mainloop()
```

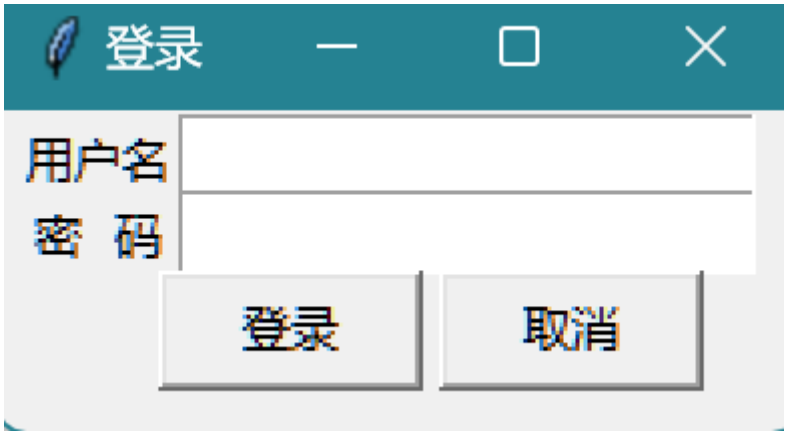
5

```
from tkinter import *
root = Tk()
Button(root, text="1").grid(row=0, column=0)
Button(root, text="2").grid(row=0, column=1)
Button(root, text="3").grid(row=0, column=2)
Button(root, text="4").grid(row=1, column=0)
Button(root, text="5").grid(row=1, column=1)
Button(root, text="6").grid(row=1, column=2)
Button(root, text="7").grid(row=2, column=0)
Button(root, text="8").grid(row=2, column=1)
Button(root, text="9").grid(row=2, column=2)
Button(root, text="0").grid(row=3, column=0, columnspan=2, sticky=E+W)
Button(root, text=".").grid(row=3, column=2, sticky=E+W)
root.mainloop()
```



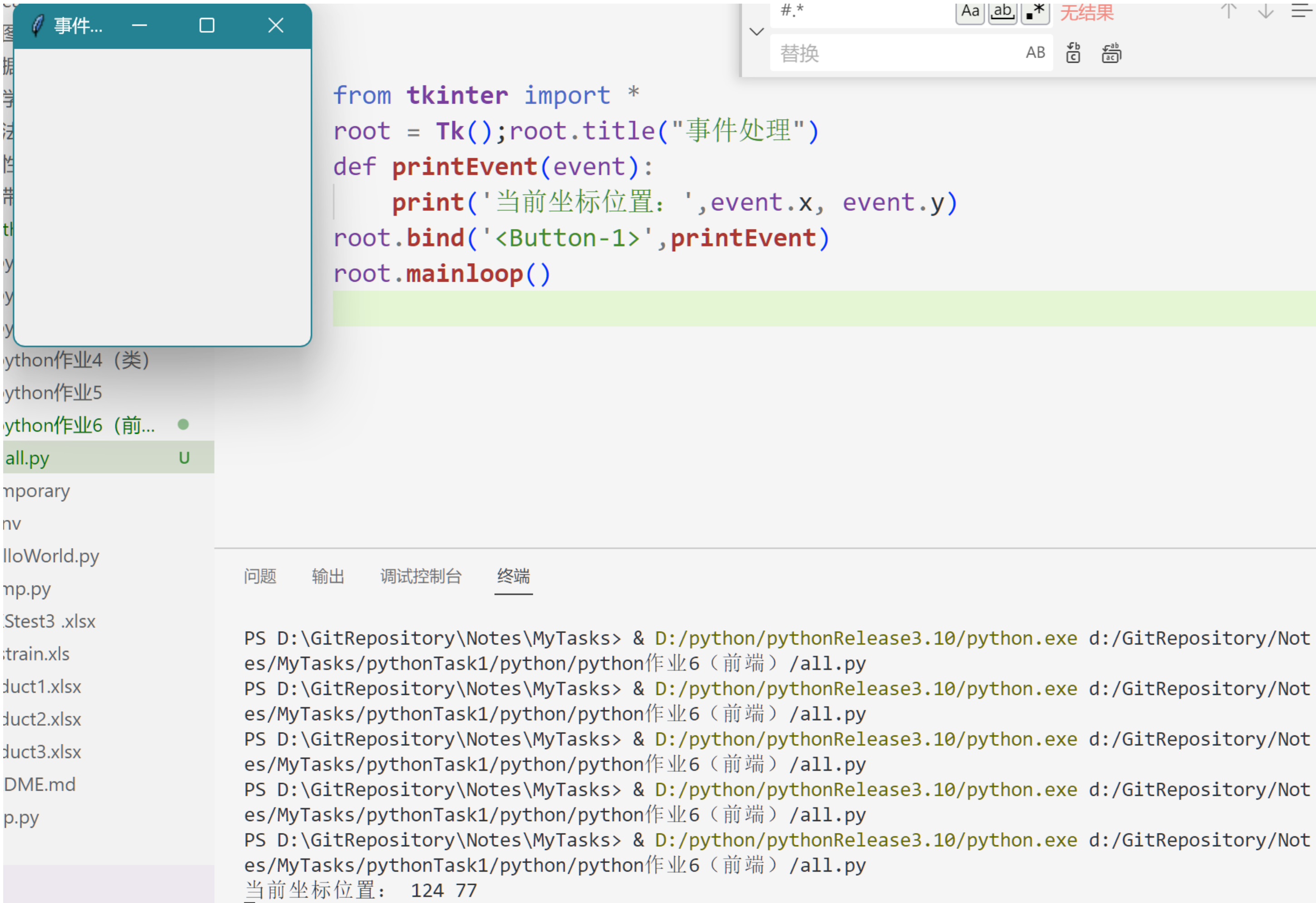
6

```
from tkinter import *
root = Tk();root.title("登录")
root['width']=200; root['height']=80
Label(root, text="用户名", width=6).place(x=1, y=1)
Entry(root, width=20).place(x=45, y=1)
Label(root, text="密  码",width=6).place(x=1, y=20)
Entry(root, width=20,show="*").place(x=45, y=20)
Button(root, text="登录", width=8).place(x=40, y=40)
Button(root, text="取消", width=8).place(x=110, y=40)
root.mainloop()
```



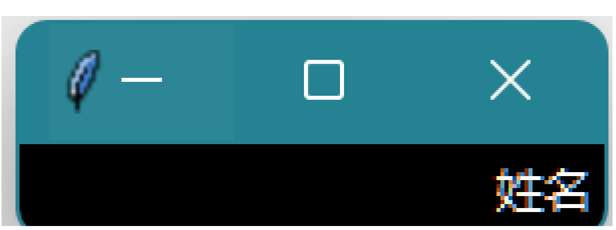
7

```
from tkinter import *
root = Tk();root.title("事件处理")
def printEvent(event):
    print('当前坐标位置: ',event.x, event.y)
root.bind('<Button-1>',printEvent)
root.mainloop()
```



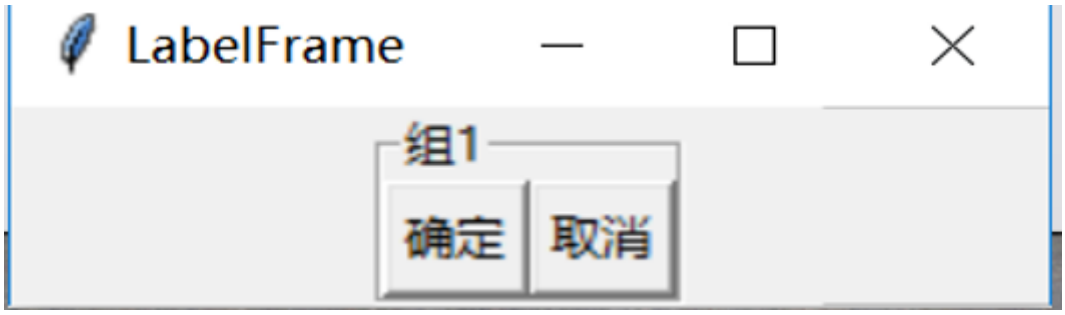
8

```python
from tkinter import *
root = Tk();root.title("Label示例")
w = Label(root, text="姓名")
w.config(width=20, bg='black', fg='white')
w['anchor'] = E
w.pack()
root.mainloop()
```



9

```
from tkinter import *
root = Tk();  root.title("LabelFrame")
lf = LabelFrame(root, text="组1")
lf.pack()
Button(lf, text="确定").pack(side=LEFT)
Button(lf, text="取消").pack(side=LEFT)
root.mainloop()
```

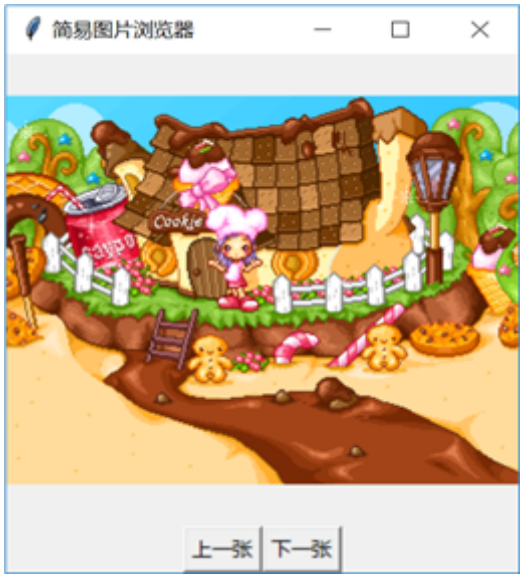


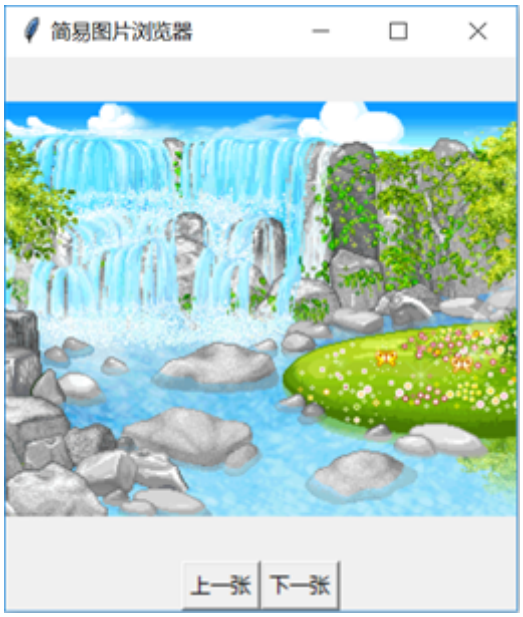
10

```
from tkinter import *
root = Tk();  root.title("Button")
w = Button(root, text="确定")
w.config(state=DISABLED)
w['width'] = 20
w.pack()
root.mainloop()
```

11

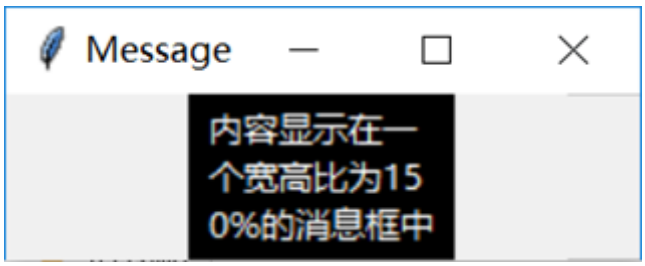
```
import tkinter as tk, os
class Application(tk.Frame):
    def __init__(self, master=None):
        self.files = os.listdir(r'c:\pythonpa\images\gif')
        self.index = 0
        self.img = tk.PhotoImage(file=r'c:\pythonpa\images\gif' + '\\' +
        tk.Frame.__init__(self, master)
        self.pack()
        self.createWidgets()
    def createWidgets(self):
        self.lblImage = tk.Label(self, width=300, height=300)
        self.lblImage['image'] = self.img
        self.lblImage.pack()
        self.f = tk.Frame()
        self.f.pack()
        self.btnPrev = tk.Button(self.f, text='上一张', command=self.pre
        self.btnPrev.pack(side=tk.LEFT)
        self.btnNext = tk.Button(self.f, text='下一张', command=self.nex
        self.btnNext.pack(side=tk.LEFT)
    def prev(self):
        self.showfile(-1)
    def next(self):
        self.showfile(1)
```





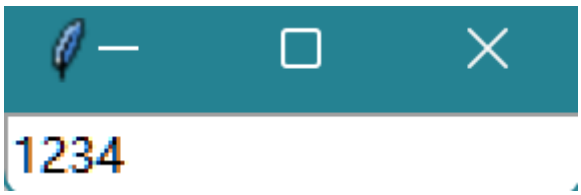
12

```
from tkinter import *
root = Tk();  root.title("Message")
w = Message(root, bg='black', fg='white')
w.config(text="内容显示在一个宽高比为150%的消息框中")
w['anchor'] = W
w.pack()
root.mainloop()
```



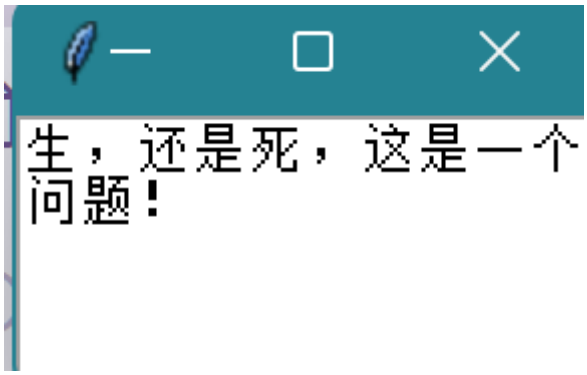
13

```
from tkinter import *
root = Tk();  root.title("Entry")
v = StringVar()
w1 = Entry(root, textvariable=v)
w1.pack()
w1.get()
v.set('1234')
root.mainloop()
```



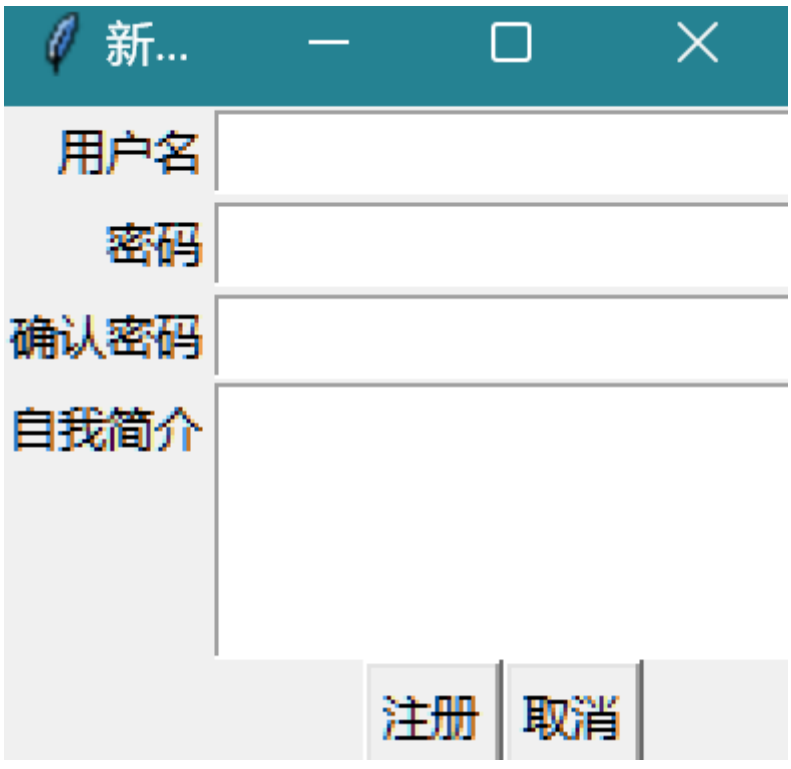
14

```
from tkinter import *
root = Tk();  root.title("Text")
w = Text(root, width=20, height=5)
w.pack()
w.insert(1.0, '生，还是死，这是一个问题！\n ')
w.get(1.0)
w.get(1.0, END)
root.mainloop()
```



15

```python
import tkinter as tk
from tkinter import messagebox
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.grid()
        self.createWidgets()
    def createWidgets(self):
        self.lblEmail = tk.Label(self, text='用户名')
        self.lblPass1 = tk.Label(self, text='密码')
        self.lblPass2 = tk.Label(self, text='确认密码')
        self.lblDesc = tk.Label(self, text='自我简介')
        self.lblEmail.grid(row=0, column=0, sticky=tk.E)
        self.lblPass1.grid(row=1, column=0, sticky=tk.E)
        self.lblPass2.grid(row=2, column=0, sticky=tk.E)
        self.lblDesc.grid(row=3, column=0, sticky=tk.NE)
        self.entryEmail = tk.Entry(self)
        self.entryPass1 = tk.Entry(self, show='*')
        self.entryPass2 = tk.Entry(self, show='*')
        self.textDesc = tk.Text(self, width=20, height=5)
        self.entryEmail.grid(row=0, column=1, columnspan=2)
        self.entryPass1.grid(row=1, column=1, columnspan=2)
        self.entryPass2.grid(row=2, column=1, columnspan=2)
        self.textDesc.grid(row=3, column=1, columnspan=2)
```



16

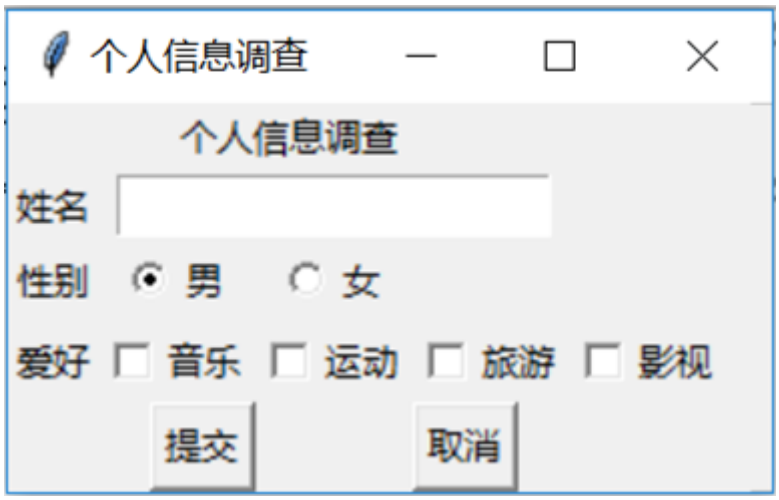
```
from tkinter import *
root = Tk();  root.title("Radiobutton")
v = StringVar();v.set('M')
w1 = Radiobutton(root, text="男", value='M', variable=v)
w2 = Radiobutton(root, text="女", value='F', variable=v)
w1.pack(side=LEFT)
w2.pack(side=LEFT)
v.get()
root.mainloop()
```

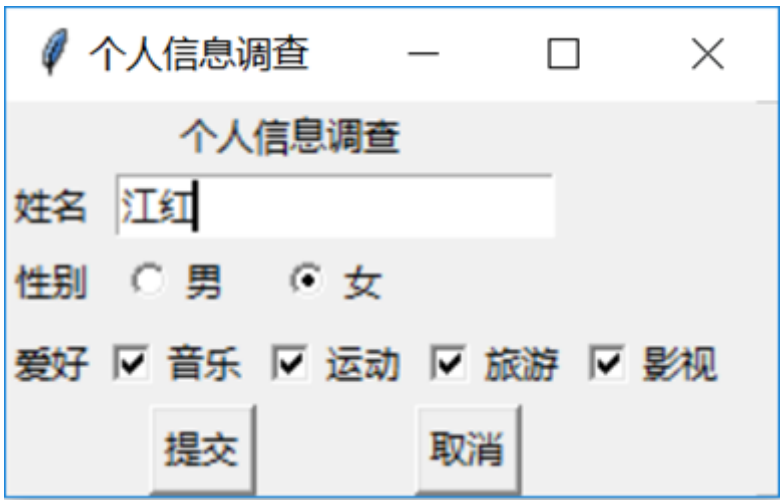
17

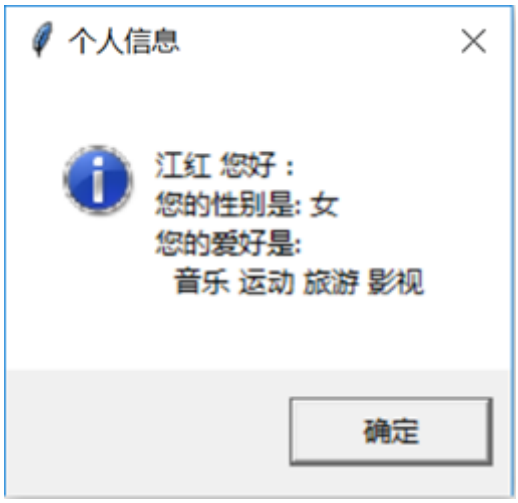
```
from tkinter import *
root = Tk();  root.title("Checkbutton")
v = StringVar()
v.set('yes')
w = Checkbutton(root, text="音乐", variable=v, onvalue='yes', offvalue='
w.pack()
v.get()
root.mainloop()
```

18

```
import tkinter as tk
from tkinter import messagebox
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.grid()
        self.createWidgets()
    def createWidgets(self):
        self.lblTitle = tk.Label(self, text='个人信息调查')
        self.lblName = tk.Label(self, text='姓名')
        self.lblSex = tk.Label(self, text='性别')
        self.lblHobby = tk.Label(self, text='爱好')
        self.lblTitle.grid(row=0, column=0, columnspan=4)
```

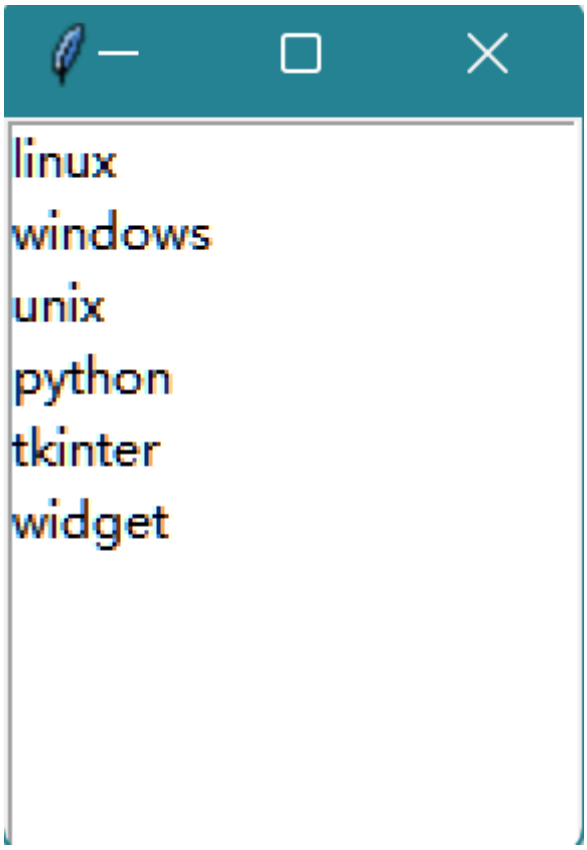






19

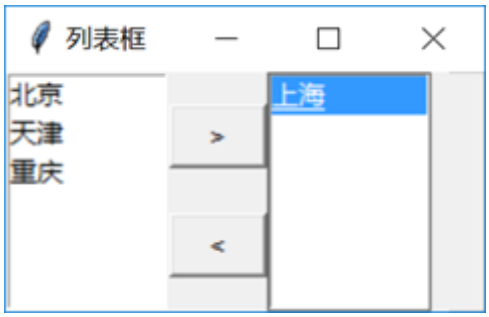
```
from tkinter import *
root = Tk();  root.title("Listbox")
v = StringVar()
v.set(('linux','windows','unix'))
lb = Listbox(root, selectmode=EXTENDED, listvariable = v)
lb.pack()
for item in ['python','tkinter','widget']: lb.insert(END,item)
lb.curselection()
for i in lb.curselection():print(lb.get(i), end=' ')
root.mainloop()
```



20

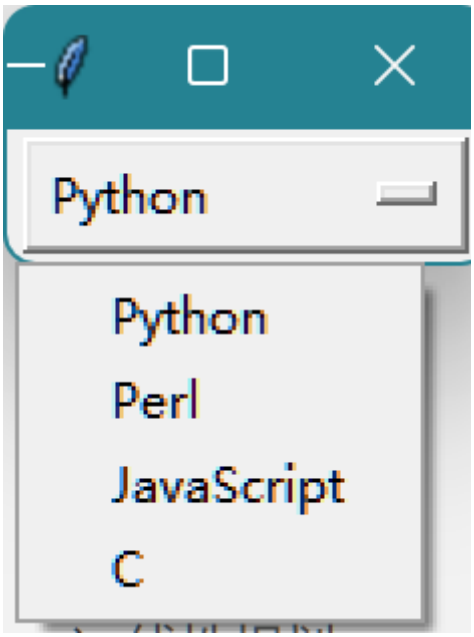
```
import tkinter as tk
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.grid()
        self.createWidgets()
    def createWidgets(self):
        self.listboxLeft = tk.Listbox(self, width=10, height=6)
        self.listboxLeft.insert(0, '北京', '天津', '上海', '重庆')
        self.listboxLeft.grid(row=0, column=0, rowspan=5)
        self.listboxRight = tk.Listbox(self, width=10, height=6)
        self.listboxRight.grid(row=0, column=2, rowspan=5)

        self.btnToRight = tk.Button(self, text='   >   ', command=self.
        self.btnToRight.grid(row=1, column=1)
```



21

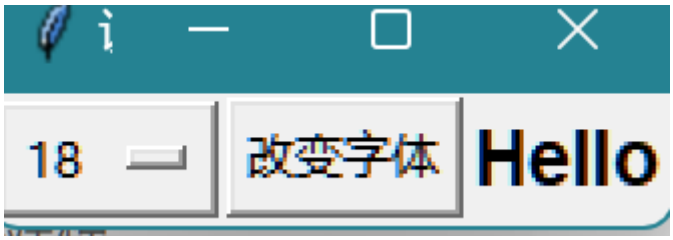
```
from tkinter import *
root = Tk();  root.title("选择项")
v = StringVar(root)
v.set('Python')
om = OptionMenu(root,v,'Python','Perl','JavaScript','C'
om['width']=10
om['anchor']=W
om.pack()
root.mainloop()
```



22

```
import tkinter as tk
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.grid()
        self.createWidgets()
    def createWidgets(self):

        optionList = range(10,61,4)
        self.vFont = tk.StringVar()
        self.vFont.set(14)
        self.optionMenuFont = tk.OptionMenu(self, self.vFont, *optionLis
        self.optionMenuFont.pack(side=tk.LEFT)
        self.buttonFont = tk.Button(self, text='改变字体', command=self.
        self.buttonFont.pack(side=tk.LEFT)
        self.lblTitle = tk.Label(self, text='Hello', font=('Helvetica',
        self.lblTitle.pack(side=tk.LEFT)
    def changefont(self):
        fontNew = ('Helvetica', self.vFont.get(), 'bold')
        self.lblTitle.config(font=fontNew)
root = tk.Tk()
root.title('设置字体大小')
root['width']=400; root['height'] = 50
```



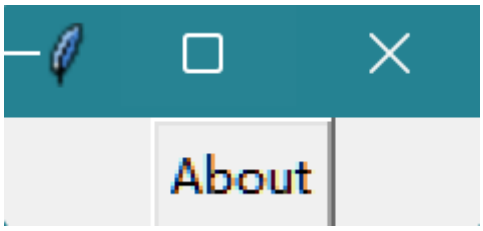
23

```
import tkinter as tk
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.grid()
        self.createWidgets()
    def createWidgets(self):

        self.scaleFont = tk.Scale(self, from_=10, to=60, length=400,
            orient=tk.HORIZONTAL, command=self.changefont)
        self.scaleFont.set(20)
        self.scaleFont.pack()
        self.lblTitle = tk.Label(self, text='Hello', font=('Helvetica',
        self.lblTitle.pack()
    def changefont(self, value):
        fontNew = ('Helvetica', self.scaleFont.get(), 'bold')
        self.lblTitle.config(font=fontNew)
root = tk.Tk()
root.title('设置字体大小')
root['width']=400; root['height'] = 50
app = Application(master=root)
app.mainloop()
```

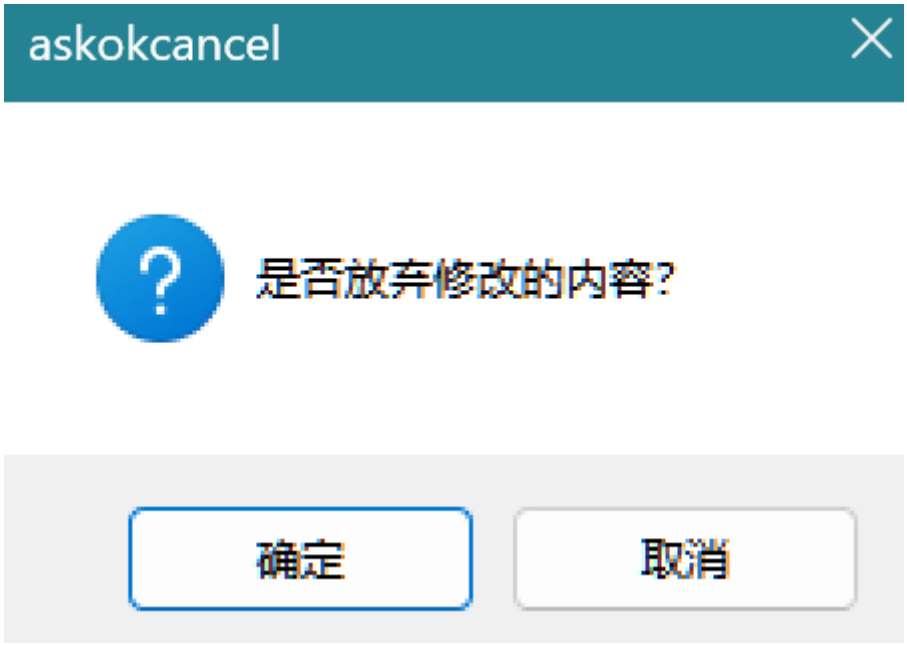
24

```
import tkinter as tk
class MyDialog:
    def __init__(self, master):
        self.top = tk.Toplevel(master)
        self.label1 = tk.Label(self.top, text='版权所有')
        self.label1.pack()
        self.label2 = tk.Label(self.top, text='V 1.0.0')
        self.label2.pack()
        self.buttonOK = tk.Button(self.top, text='OK', command=self.func
        self.buttonOK.pack()
    def funcOk(self):
        self.top.destroy()
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.pack()
        self.createWidgets()
    def createWidgets(self):
        self.btnAbout = tk.Button(self, text="About", command=self.funcA
        self.btnAbout.pack()
    def funcAbout(self):
        d = MyDialog(self)
root = tk.Tk()
root['width']=400; root['height'] = 50
```



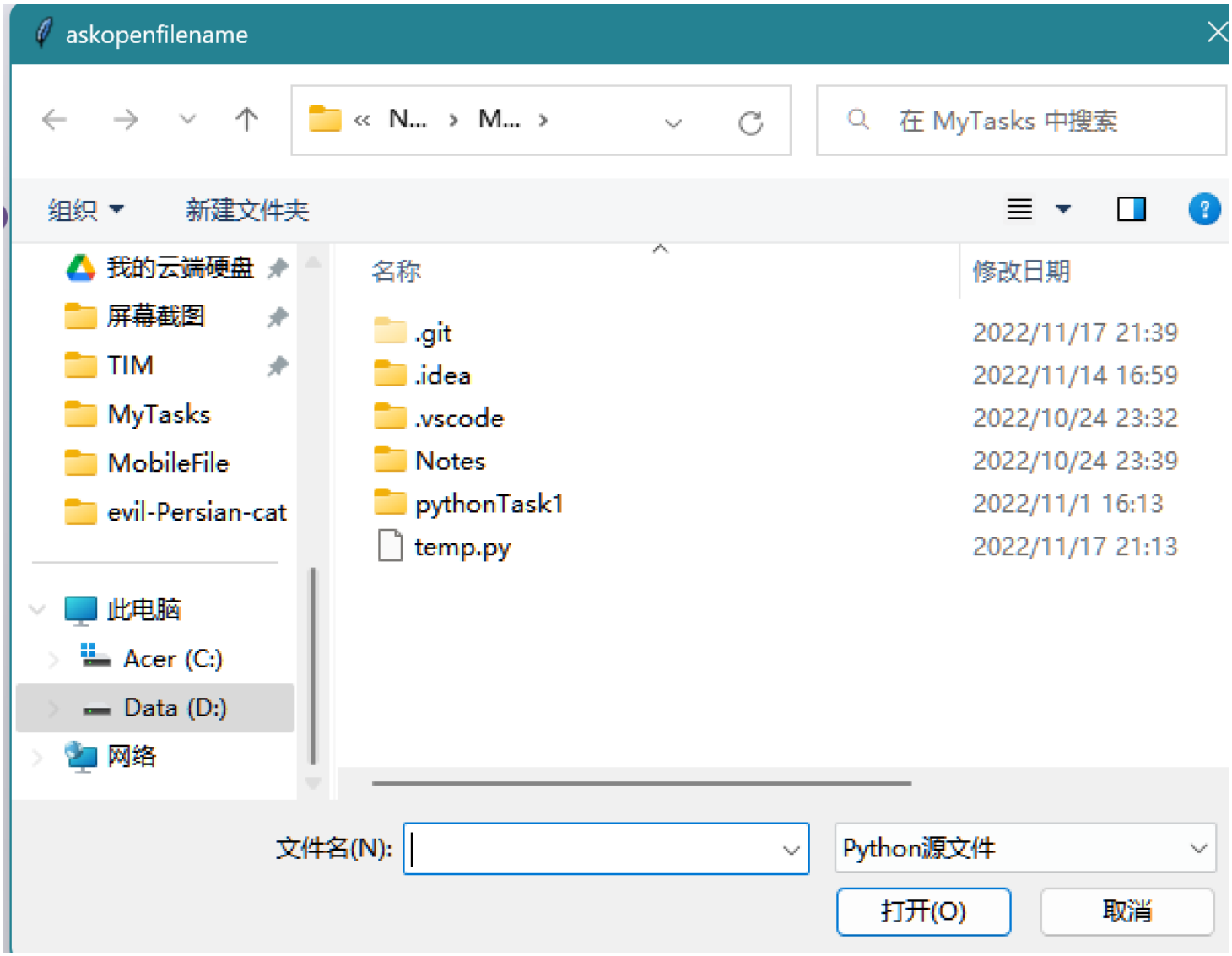
25

```
from tkinter.messagebox import *
r1=askokcancel(title='askokcancel', message='是否放弃修改的内容？')
r2=askquestion(title='askquestion', message='是否放弃修改的内容？')
r3=askyesno(title='askyesno', message='是否放弃修改的内容？')
r4=askretrycancel(title='askretrycancel', message='系统忙，是否重试？')
showerror(title='showerror', message='无法连接！')
showinfo(title='showinfo', message='连接成功！')
showwarning(title='showwarning', message='磁盘碎片过多！')
```



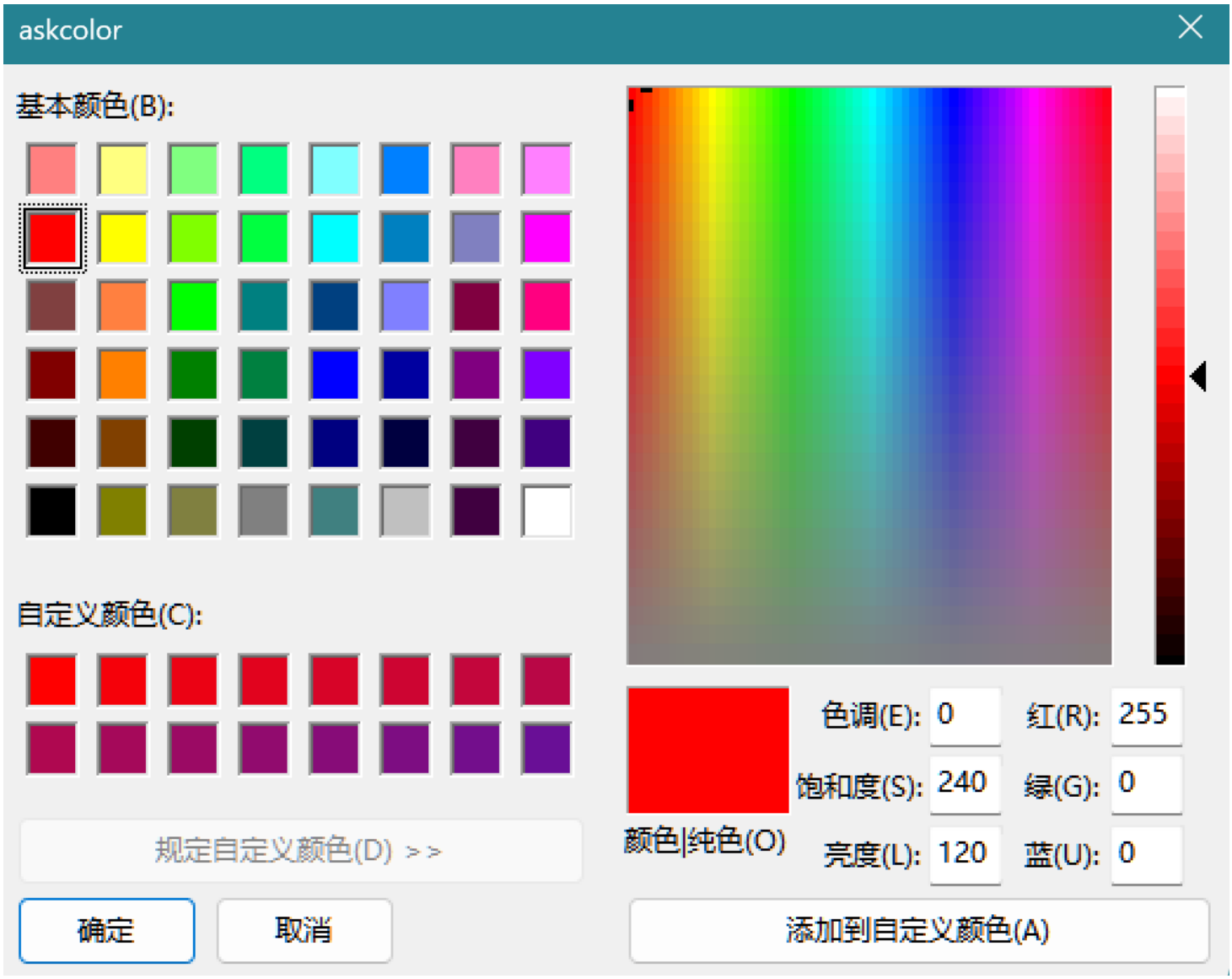
26

```
from tkinter.filedialog import *
f=askopenfilename(title='askopenfilename', filetypes=[('Python源文件','.
```



27

```
from tkinter.colorchooser import *
c = askcolor(color='red', title='askcolor')
```

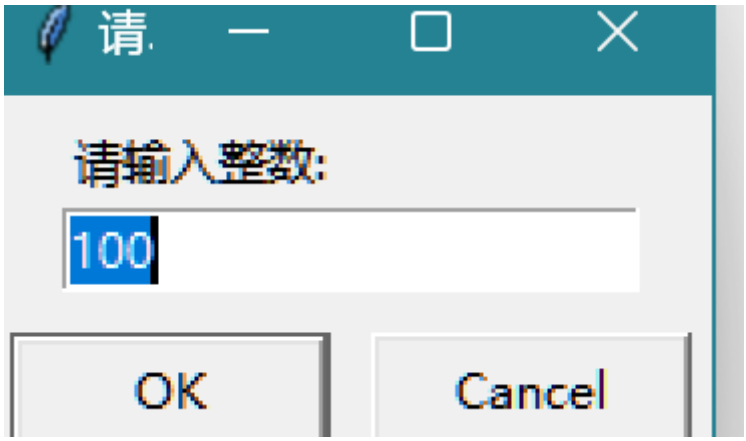

askcolor
基本颜色(B):
自定义颜色(C):
规定自定义颜色(D) >>
确定
取消
颜色|纯色(O)
色调(E): 0
饱和度(S): 240
亮度(L): 120
红(R): 255
绿(G): 0
蓝(U): 0
添加到自定义颜色(A)

28

```python
import tkinter as tk
from tkinter.filedialog import *
from tkinter.colorchooser import *
import tkinter.scrolledtext as tst
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.grid()
        self.createWidgets()
    def createWidgets(self):
        self.textEdit = tst.ScrolledText(self, width=80, height=20)
        self.textEdit.grid(row=0, column=0, rowspan=6)
        self.btnOpen = tk.Button(self, text='打开', command=self.funcOpe
        self.btnOpen.grid(row=1, column=1)
        self.btnSave = tk.Button(self, text='保存', command=self.funcSav
        self.btnSave.grid(row=2, column=1)
        self.btnColor = tk.Button(self, text='颜色', command=self.funcCo
        self.btnColor.grid(row=3, column=1)
        self.btnQuit = tk.Button(self, text='退出', command=self.funcQui
        self.btnQuit.grid(row=4, column=1)

        def funcOpen(self):
            self.textEdit.delete(1.0, tk.END)
            fname = tk.filedialog.askopenfilename(filetypes=[('Python源
```

```
from tkinter import *
root = Tk()
from tkinter.simpledialog import *
i = askinteger(title='请输入', prompt='请输入整数:',initialvalue=100)
f = askfloat(title='请输入', prompt='请输入实数:')
s = askstring(title='请输入', prompt='请输入字符串:')
```



30

```
from tkinter import *
root = Tk()
from tkinter.simpledialog import *

dlg = SimpleDialog(root, text='继续？', buttons=['Yes','No','cancel'], d
```

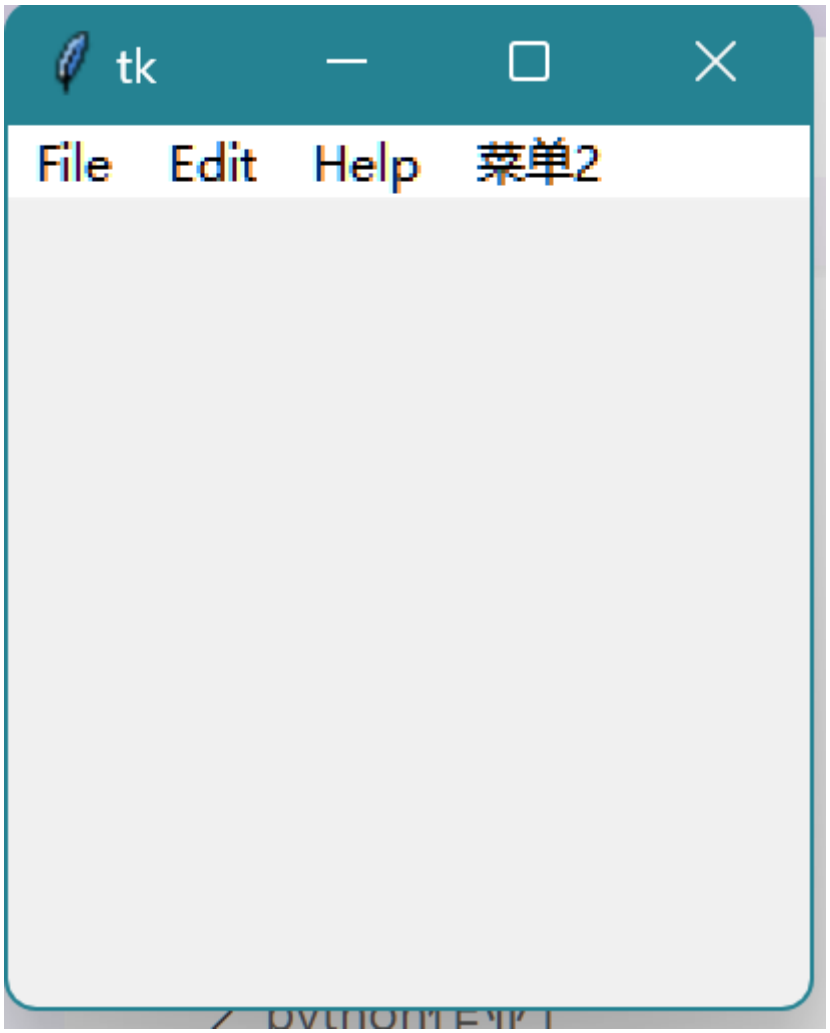
31

```
import tkinter as tk
def f_print():
    tk.messagebox.showinfo('信息', '打印功能')
root = tk.Tk()

menubar = tk.Menu(root)

menufile  = tk.Menu(menubar)
menuedit = tk.Menu(menubar, tearoff=0)
menuhelp = tk.Menu(menubar, tearoff=0)
menuTest = tk.Menu(menubar)
menubar.add_cascade(label='File', menu=menufile)
menubar.add_cascade(label="Edit", menu=menuedit)
menubar.add_cascade(label="Help", menu=menuhelp)
menubar.add_cascade(label="菜单2", menu=menuTest)

menufile.add_command(label='Open')
menufile.add_command(label='Save')
menufile.add_command(label='Print', accelerator='^P
menufile.add_separator()
menufile.add_command(label='Exit')
menuedit.add_command(label="Cut")
menuedit.add_command(label="Copy")
```



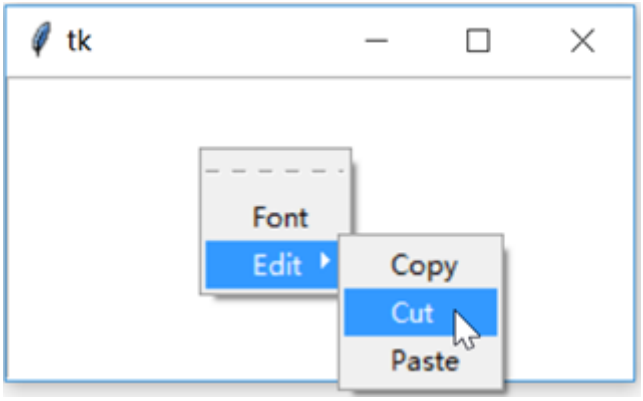
32

```
import tkinter as tk
def popup(event):
    menubar.post(event.x_root, event.y_root)
root = tk.Tk()

menubar = tk.Menu(root)
menubar.add_command(label="Font")
menuedit = tk.Menu(menubar, tearoff=0)
menubar.add_cascade(label="Edit", menu=menuedit)
menuedit.add_command(label="Copy")
menuedit.add_command(label="Cut")
menuedit.add_command(label="Paste")

textEdit = tk.Text(root, width=40, height=10)
textEdit.pack()
root.bind('<Button-3>', popup)

root.mainloop()
```



```python
import tkinter as tk
from tkinter.filedialog import *
from tkinter import messagebox
import tkinter.scrolledtext as tst
class Application(tk.Frame):
    def __init__(self, master=None):
        tk.Frame.__init__(self, master)
        self.grid()
        self.createWidgets()
        self.createMenu()
        root['menu'] = self.menubar
        root.bind('<Button-3>', self.f_popup)
    def createWidgets(self):
        self.textEdit = tst.ScrolledText(self, width=80, height=20)
        self.textEdit.grid(row=0, column=0, rowspan=6)
    def createMenu(self):
        self.menubar = tk.Menu(root)

        self.menufile  = tk.Menu(self.menubar)
        self.menuedit = tk.Menu(self.menubar, tearoff=0)
        self.menuhelp = tk.Menu(self.menubar, tearoff=0)
        self.menubar.add_cascade(label='File', menu=self.menufile)
```