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import tkinter
import tkinter.messagebox
import tkinter.ttk
import sqlite3
import os
# 创建tkinter应用程序
from tkinter import ttk

root = tkinter.Tk()
# 设置窗口标题
root.title('学生信息管理系统V1.0')
# 定义窗口初始大小
root['height'] = 500
root['width'] = 370

# 在窗口上创建标签组件
labelId = tkinter.Label(root,text='编
号:',justify=tkinter.RIGHT,width=50)
labelId.place(x=15, y=5, width=50, height=20)
# 添加文本框
varId = tkinter.StringVar(root, value='')
entryId = tkinter.Entry(root,width=120,textvariable=varId)
entryId.place(x=90, y=5, width=120, height=20)

# 在窗口上创建标签组件
labelName = tkinter.Label(root,text='姓
名:',justify=tkinter.RIGHT,width=50)
labelName.place(x=15, y=35, width=50, height=20)

# 添加文本框
varName = tkinter.StringVar(root, value='')
entryName = tkinter.Entry(root,width=120,textvariable=varName)
entryName.place(x=90, y=35, width=120, height=20)


# 在窗口上创建标签组件
labelSex = tkinter.Label(root,text='性
别:',justify=tkinter.RIGHT,width=50)
labelSex.place(x=15, y=70, width=50, height=20)
# 添加文本框
varSex = tkinter.StringVar(root, value='')
entrySex = tkinter.Entry(root,width=120,textvariable=varSex)
entrySex.place(x=90, y=70, width=120, height=20)

# 在窗口上创建标签组件
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labelPython = tkinter.Label(root,text='python成绩:',justify=tkinter.RIGHT,width=50)
labelPython.place(x=10, y=105, width=80, height=20)
# 添加文本框
varPython = tkinter.StringVar(root, value='')
entryPython = tkinter.Entry(root,width=120,textvariable=varPython)
entryPython.place(x=90, y=105, width=120, height=20)

# 在窗口上创建标签组件
labeldatabase = tkinter.Label(root,text='数据库成绩:',justify=tkinter.RIGHT,width=50)
labeldatabase.place(x=10, y=140, width=80, height=20)
# 添加文本框
vardatabase = tkinter.StringVar(root, value='')
entrydatabase = tkinter.Entry(root,width=120,textvariable=vardatabase)
entrydatabase.place(x=90, y=140, width=120, height=20)

# 在窗口上创建标签组件
labelClanguage = tkinter.Label(root,text='C语言:',justify=tkinter.RIGHT,width=50)
labelClanguage.place(x=15, y=175, width=50, height=20)
# 添加文本框
varClanguage = tkinter.StringVar(root, value='')
entryClanguage = tkinter.Entry(root,width=120,textvariable=varClanguage)
entryClanguage.place(x=90, y=175, width=120, height=20)

# 数据库位置
database = './test.db'

# 显示函数
def showAllInfo():
    # 先删除显示列表
    x = dataTreeview.get_children()
    for item in x:
        dataTreeview.delete(item)
    # 连接数据库
    con = sqlite3.connect(database)
    cur = con.cursor()
    cur.execute("select * from student")
    lst = cur.fetchall()
    for item in lst:
        dataTreeview.insert("", 1, text="line1", values=item)
    cur.close()
    con.close()

# 添加函数
def addInfo():
    if entryId.get() and entryName.get() and entrySex.get() and 
entryPython.get() and entrydatabase.get() and entryClanguage.get():
        x = dataTreeview.get_children()
        for item in x:
            dataTreeview.delete(item)
        values = (entryId.get(), entryName.get(), entrySex.get(), 
entryPython.get(), entrydatabase.get(), entryClanguage.get())
        con = sqlite3.connect(database)
        cur = con.cursor()
        cur.execute("insert into student values(?,?,?,?,?,?)", values)
        con.commit()
        cur.execute("select * from student")
        lst = cur.fetchall()
        for item in lst:
            dataTreeview.insert("", 1, text="line1", values=item)
        cur.close()
        con.close()
    else:
        tkinter.messagebox.showerror(title='提示', message='输入不能为
空')

# 删除函数
def deleteSelection():
    con = sqlite3.connect(database)
    cur = con.cursor()
    cur.execute("select * from student")
    studentList = cur.fetchall()
    cur.close()
    con.close()
    print(studentList)

    id = entryName.get()
    flag = 0
    for i in range(len(studentList)):
        for item in studentList[i]:
            if id == item:
                flag = 1
                con = sqlite3.connect(database)
                cur = con.cursor()
                cur.execute('delete from student where 姓名 = 
"%s"'%id)
                # cur.execute("delete from student where name = ?", 
(id,))
                con.commit()
                cur.close()
                con.close()
                break
    if flag == 1:
        tkinter.messagebox.showinfo(title='提示', message='删除成功！')
    else:
        tkinter.messagebox.showerror(title='提示', message='删除失败')

    # 删除列表框节点
    x = dataTreeview.get_children()
    for item in x:
        dataTreeview.delete(item)

    # 连接数据库打印显示
    con = sqlite3.connect(database)
    cur = con.cursor()
    cur.execute("select * from student")
    lst = cur.fetchall()
    for item in lst:
        dataTreeview.insert("", 1, text="line1", values=item)
    cur.close()
    con.close()

# 添加按钮组件，绑定函数
tkinter.Button(root,text='添加',width=40,command=addInfo).place(x=20, y=210, width=40, height=20)
tkinter.Button(root,text='删除已选',width=100,command=deleteSelection).place(x=80, y=210, width=100, height=20)
tkinter.Button(root,text='查询',width=40,command=showAllInfo).place(x=200, y=210, width=40, height=20)

# 数据列表显示模块
dataTreeview = ttk.Treeview(root, show='headings', column=('id','name', 'sex', 'python_score', 'database_score', 'c_language_score'))
# dataTreeview = ttk.Treeview(root, column=('id','name', 'sex', 'python_score', 'database_score', 'c_language_score'))
# 设置表头的大小和位置
dataTreeview.column('id', width=15, anchor="center")
dataTreeview.column('name', width=20, anchor="center")
dataTreeview.column('sex', width=20, anchor="center")
dataTreeview.column('python_score', width=60, anchor="center")
dataTreeview.column('database_score', width=60, anchor="center")
dataTreeview.column('c_language_score', width=40, anchor="center")

# 设置表头的别名（给用户看的）
dataTreeview.heading('id', text='编号')
dataTreeview.heading('name', text='姓名')
dataTreeview.heading('sex', text='性别')
dataTreeview.heading('python_score', text='Python成绩')
dataTreeview.heading('database_score', text='数据库成绩')
dataTreeview.heading('c_language_score', text='C成绩')
dataTreeview.place(x=10, y=245, width=350, height=250)

# 创建列表框组件
# sb = tkinter.Scrollbar(dataTreeview, command=dataTreeview.yview)
# sb.pack(side="right", fill="y")
# dataTreeview.config(yscrollcommand=sb.set)  # 给dataTreeview组件加上滚动条

root.mainloop()
```

以后参加比赛可以在这个基础上进行修改。

比如：增加导出excel表格， 导入excel表， 等等等 发挥自己的想象

有一些我们是可以看懂额=的，比如insert