Date: 1/8/2018 Week1

This week

Learning the basic code which might be used in this project

-Making a interface

Label function

Button function

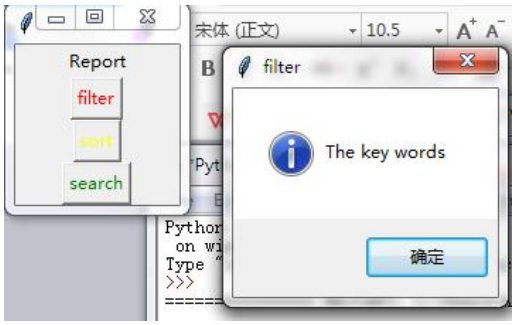
Window function

1.3.py - C:\Users\Administrator\Desktop\1.3.py (3.6.3)

File Edit Format Run Options Window Help

```
##画个界面玩玩
from turtle import*
from tkinter import*          # 导入 Tkinter 库
from tkinter import messagebox

def filterr():
    messagebox.showinfo(title="filter",message="The key words")
def sort():
    messagebox.showinfo(title="sort",message="The key words")
def search():
    messagebox.showinfo(title="search",message="The key words")


tk=Tk()

label=Label(tk,text="Report")

button_filterr=Button(tk,text="filter",fg="red",command=filterr)

button_sort=Button(tk,text="sort",fg="yellow",command=sort)
button_search=Button(tk,text="search",fg="green",command=search)

label.pack()

button_filterr.pack()
button_sort.pack()
button_search.pack()

tk.mainloop()
```

The result is



- Layout

9.py - C:\Users\Administrator\Desktop\9.py (3.6.3)

File Edit Format Run Options Window Help

```
# -*- coding: cp936 -*-
from tkinter import *

root = Tk()
root.title("hello world")
root.geometry('300x200')

Label(root, text='1', font=('Arial', 20)).pack()

frm = Frame(root)
#left
frm_L = Frame(frm)
Label(frm_L, text='2', font=('Arial', 15)).pack(side=TOP)
Label(frm_L, text='2', font=('Arial', 15)).pack(side=TOP)
frm_L.pack(side=LEFT)

#right
frm_R = Frame(frm)
Label(frm_R, text='2', font=('Arial', 15)).pack(side=TOP)
Label(frm_R, text='2', font=('Arial', 15)).pack(side=TOP)
frm_R.pack(side=RIGHT)

frm.pack()

root.mainloop()
```

The result is

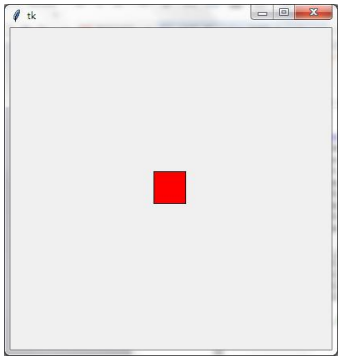
-Drawing something by python

key.py - C:\Users\Administrator\Desktop\key.py (3.6.3)

File Edit Format Run Options Window Help

```
from tkinter import *

def main():
    tk = Tk()
    canvas = Canvas(tk, width = 400, height = 400)
    canvas.pack()

    def moverectangle(event):
        if event.keysym == "Up":
            canvas.move(1,0,-5)
        elif event.keysym == "Down":
            canvas.move(1,0,5)
        elif event.keysym == "Left":
            canvas.move(1,-5,0)
        elif event.keysym == "Right":
            canvas.move(1,5,0)

    canvas.create_rectangle(180,180,220,220,fill="red")
    canvas.bind_all("<KeyPress-Up>",moverectangle)
    canvas.bind_all("<KeyPress-Down>",moverectangle)
    canvas.bind_all("<KeyPress-Left>",moverectangle)
    canvas.bind_all("<KeyPress-Right>",moverectangle)

if __name__ == '__main__':
    main()
```

The result is



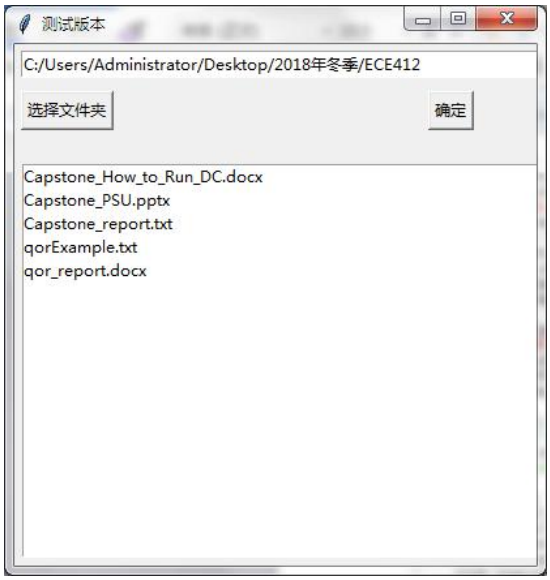
-Open file function

关键字.py - C:\Users\Administrator\Desktop\关键字.py (3.6.3)

File Edit Format Run Options Window Help

```
import tkinter.filedialog as filedialog
from tkinter import *
import os
from tkinter import *

def callback():
    entry.delete(0,END) #清空entry里面的内容
    listbox_filename.delete(0,END)
    #调用filedialog模块的askdirectory()函数去打开文件夹
    global filepath
    filepath = filedialog.askdirectory()
    if filepath:
        entry.insert(0,filepath) #将选择好的路径加入到entry里面
    print (filepath)
    getdir(filepath)

def getdir(filepath=os.getcwd()):
    #用于获取目录下的文件列表
    cf = os.listdir(filepath)
    for i in cf:
        listbox_filename.insert(END,i)

def readfile():
    file=open('file_choose','r')
    data=file.read()
    print("data")

if __name__ == "__main__":
    root = Tk()
    root.title("测试版本")
    root.geometry("400x400")
    root.rowconfigure(1, weight=1)
    root.rowconfigure(2, weight=8)

    entry = Entry(root, width=60)
    entry.grid(sticky=W+N, row=0, column=0, columnspan=4, padx=5, pady=5)

    button = Button(root,text="选择文件夹",command=callback)
    button.grid(sticky=W+N, row=1, column=0, padx=5, pady=5)

    button = Button(root, text="确定",command=readfile)
    button.grid(sticky=W+N, row=1, column=3, padx=5, pady=5)
    #创建loistbox用来显示所有文件名
    listbox_filename = Listbox(root, width=60)
    listbox_filename.grid(row=2, column=0, columnspan=4, rowspan=4, padx=5, pady=5, sticky=W+E+S+N)
    #获取路径名:
    file_choose=os.path.basename('filepath')


    root.mainloop()
```

The result is



Next week

1. Understand the table code in python.
2. Making a more clearly idea with today's meeting.

Issues

1. The first issue for me is using python to draw the table which I am still learning.
2. I haven't integrate these code integrallty. I just tried each part separately.