Python Codepage

```python
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from tkinter import *

import RTimagesRandomOrder

import os


class Menu :


    def __init__(self):


        # initializations

        self.fenetre = Tk()

        self.fenetre.title("Welcome v2")

        largeur_ecran = self.fenetre.winfo_screenheight()

        longueur_ecran = self.fenetre.winfo_screenwidth()

        self.fenetre.geometry("250x600+"+str(int(longueur_ecran/2-125))+"+"+str(int(largeur_ecran/2-300)))


        # window labels
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label = Label(self.fenetre, text="Welcome")

label.pack(pady=5)


# alert sounds

Frame1 = Frame(self.fenetre, borderwidth=2, relief=GROOVE)

Frame1.pack(pady=10)

Label(Frame1, text="Please choose the desired frequency").pack(padx=10, pady=10)

self.son = IntVar()

bouton1 = Radiobutton(Frame1, text="No sound", variable=self.son, value=0)

bouton2 = Radiobutton(Frame1, text="Low frequency", variable=self.son, value=1)

bouton3 = Radiobutton(Frame1, text="Medium frequency", variable=self.son, value=2)

bouton4 = Radiobutton(Frame1, text="High frequency", variable=self.son, value=3)

bouton1.pack(pady=5)

bouton2.pack(pady=5)

bouton3.pack(pady=5)

bouton4.pack(pady=5)

bouton1.select()


# backgrounds

Frame2 = Frame(self.fenetre, borderwidth=2, relief=GROOVE)

Frame2.pack(pady=10,padx=5)

Label(Frame2, text="Please choose the background color").pack(padx=10, pady=10)

self.fond = IntVar()

bouton1 = Radiobutton(Frame2, text="White background", variable=self.fond, value=0)

bouton2 = Radiobutton(Frame2, text="Gray background", variable=self.fond, value=1)

bouton1.pack(pady=5)

bouton2.pack(pady=5)

bouton1.select()
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        # excel file name

        self.file_xl_name = StringVar()

        file_xl = Label(self.fenetre, text="Enter your initials and session number")

        file_xl.pack(pady=5)

        file_xl_ent = Entry(self.fenetre,textvariable=self.file_xl_name)

        file_xl_ent.pack()


        # start preliminary trials (fct begin)

        Begin = Button(self.fenetre, text = 'Begin the test', command=self.begin)

        Begin.pack(pady=10)


        # start a test session (fct begin)

        BeginAll = Button(self.fenetre, text = 'Begin the complete test', command=self.beginAll)

        BeginAll.pack(pady=10)


        # end a test session (fct end)

        End = Button(self.fenetre, text = 'End the test', command=self.end)

        End.pack(pady=10)


        self.fenetre.mainloop()


def begin(self):

    if not os.path.exists("RESULTS/"):

        os.makedirs("RESULTS/")

    nom = self.file_xl_name.get()

    self.fenetre.destroy()

    birgittaSoftware = RTimagesRandomOrder.RTimagesRandomOrder( nom,self.fond.get(),self.son.get())
```

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        birgittaSoftware.showImages()


    def beginAll(self):

        self.fenetre.destroy()

        if not os.path.exists("RESULTS/" + self.file_xl_name.get()):

            os.makedirs("RESULTS/" +self.file_xl_name.get())

        for i in range(0,8):

            birgittaSoftware      =      RTimagesRandomOrder.RTimagesRandomOrder(      self.file_xl_name.get()      +      '/'      +
self.file_xl_name.get()+str(i+1),int(i/4),i%4)

            birgittaSoftware.showImages()


    def end(self):

        self.fenetre.destroy()

        sys.exit()


if __name__ == '__main__':

    menu = Menu()
```