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from tkinter import*

import tkinter as tk

import random

import string


##website title

root=Tk()

root.geometry("800x700")

root.title("random password generator")


##heading at the user interface

title=StringVar()

label=Label(root,textvariable=title,width=90,font=('ALGERIAN',18),bd=5).pack(anchor=W,padx=50,pady=10)

title.set("random secure password generating")


SYMBOLS = "!$%&/()=?{[]}*+'#~,,;:-_ '<>"

POOR  = string.ascii_uppercase + string.ascii_lowercase

AVERAGE = string.ascii_uppercase + string.ascii_lowercase + string.digits

GOOD  = string.ascii_uppercase + string.ascii_lowercase + string.digits+"@\\|/^^"

BEST  = GOOD + SYMBOLS

password = ""


# types of password strengths selection

def selection():

    choice.get()

choice=IntVar()

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BUTTON1=Radiobutton(root,text="POOR",variable=choice,value=1,command=selection,bd=20,font=10,
width=60,height=1,bg='ffffff',activebackground='yellow').pack(anchor=CENTER,padx=300,pady=5)
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BUTTON2=Radiobutton(root,text="AVERAGE",variable=choice,value=2,command=selection,font=10,width=40,height=2,bg='ffffff',activebackground='sky blue').pack(anchor=CENTER,padx=180,pady=2)
```

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BUTTON3=Radiobutton(root,text="GOOD",variable=choice,value=3,command=selection,font=10,width=30,height=2,bg='ffffff',activebackground='red').pack(anchor=CENTER,padx=100,pady=2)
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BUTTON4=Radiobutton(root,text="BEST",variable=choice,value=4,command=selection,font=10,width=20,height=2,bg='ffffff',activebackground='#00ff00').pack(anchor=CENTER,padx=50,pady=3)
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def callback():
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    DISPLAY.config(text=passwordgeneration())
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```
def passwordgeneration():
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```
    global password
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```
    password = ""
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```
    if choice.get() == 1:
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        password = password.join(random.sample(POOR, passwordlength.get()))
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        return password
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```
    elif choice.get() == 2:
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        password = password.join(random.sample(AVERAGE, passwordlength.get()))
    return password
elif choice.get() == 3:
    password = password.join(random.sample(GOOD, passwordlength.get()))
    return password
elif choice.get() == 4:
    password = password.join(random.sample(BEST,passwordlength.get()))
    return password
else:
    print("choose an option above")

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lengthlabel=StringVar()
lengthlabel.set("Password Length:")
lengthtitle = Label(root, textvariable=lengthlabel).pack(anchor=CENTER,padx=200,pady=30)

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passwordlength=IntVar()
spinboxlength = Spinbox(root, from_=8, to_=360, textvariable=passwordlength,
width=30).pack(anchor=CENTER,padx=3)

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passwordgenerationButton=StringVar()
passwordgenerationButton = Button(root, text="Generate Password",bd=5, height=2,
command=passwordgeneration,pady=2,padx=20)
passwordgenerationButton = Button(root, text="Generate Password",bd=5, height=2,
command=callback,pady=2,padx=20)
passwordgenerationButton.pack()
password = str(callback)

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def copytoclipboard():
    global password
    print(password)

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root.clipboard_clear()

root.clipboard_append(password)

root.update()

copyButton = Button(root, text="Copy Password to Clipboard",
command=copytoclipboard,bg='#ffffff',activebackground='orange')
copyButton.pack(side=BOTTOM)


DISPLAY = Label(root, text="password is")
DISPLAY.pack(side=BOTTOM)


root.mainloop()
```