

```
1 import sys
2 import tkinter
3 import tkinter.messagebox
4 import os
5
6 def addReminder(text,x,y,notes,reminders):
7     notewin = tkinter.Toplevel()
8     notewin.resizable(width=False,height=False)
9     notewin.geometry(""+str(x)+" "+str(y))
10
11     reminder = tkinter.Text(notewin,bg="yellow", width=30,height=15)
12
13     reminder.insert(tkinter.END,text)
14
15     reminder.pack()
16
17     notes.append(notewin)
18     reminders.append(reminder)
19
20
21     def deleteWindowHandler():
22         print("Window Deleted")
23         notewin.withdraw()
24         notes.remove(notewin)
25         reminders.remove(reminder)
26
27     notewin.protocol("WM_DELETE_WINDOW", deleteWindowHandler)
28
29
30 def main():
31
32     def post():
33         print("Post")
34         addReminder(note.get("1.0",tkinter.END), \
35                 root.winfo_rootx()+5,root.winfo_rooty()+5,notes,reminders)
36         note.delete("1.0",tkinter.END)
37
38     root = tkinter.Tk()
39
40     root.title("Reminder!")
41     root.resizable(width=False,height=False)
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42
43     notes = []
44     reminders = []
45
46     bar = tkinter.Menu(root)
47
48     fileMenu = tkinter.Menu(bar,tearoff=0)
49     fileMenu.add_command(label="Exit",command=root.quit)
50     bar.add_cascade(label="File",menu=fileMenu)
51     root.config(menu=bar)
52
53     mainFrame = tkinter.Frame(root,borderwidth=1,padx=5,pady=5)
54     mainFrame.pack()
55
56     note = tkinter.Text(mainFrame,bg="yellow", width=30,height=15)
57     note.pack()
58
59     tkinter.Button(mainFrame,text="New Reminder!", command=post).pack()
60
61     try:
62         print("reading reminders.txt file")
63         file = open("reminders.txt","r")
64         x = int(file.readline())
65         y = int(file.readline())
66         root.geometry(""+str(x)+" "+str(y))
67
68         line = file.readline()
69         while line.strip() != "":
70             x = int(line)
71             y = int(file.readline())
72             text = ""
73             line = file.readline()
74             while line.strip() != "_____._____.____":
75                 text = text + line
76                 line = file.readline()
77
78             text = text.strip()
79
80             addReminder(text,x,y,notes,reminders)
81
82             line = file.readline()
83     except:
84         print("reminders.txt not found")
85
86
87
88     def appClosing():
89         print("Application Closing")
90         file = open("reminders.txt","w")
91
92         file.write(str(root.wininfo_x())+"\n")
93         file.write(str(root.wininfo_y())+"\n")
94
95         for i in range(len(notes)):
96             print(notes[i].wininfo_rootx())
97             print(notes[i].wininfo_rooty())
98             print(reminders[i].get("1.0",tkinter.END))
99
100        file.write(str(notes[i].wininfo_rootx())+"\n")

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101         file.write(str(notes[i].winfo_rooty())+"\n")
102         file.write(reminders[i].get("1.0",tkinter.END)+"\n")
103         file.write("-----\n")
104
105     file.close()
106     root.destroy()
107     root.quit()
108     sys.exit()
109
110
111     root.protocol("WM_DELETE_WINDOW", appClosing)
112
113
114     tkinter.mainloop()
115
116 if __name__ == "__main__":
117     main()
```