Alarm Clock with GUI

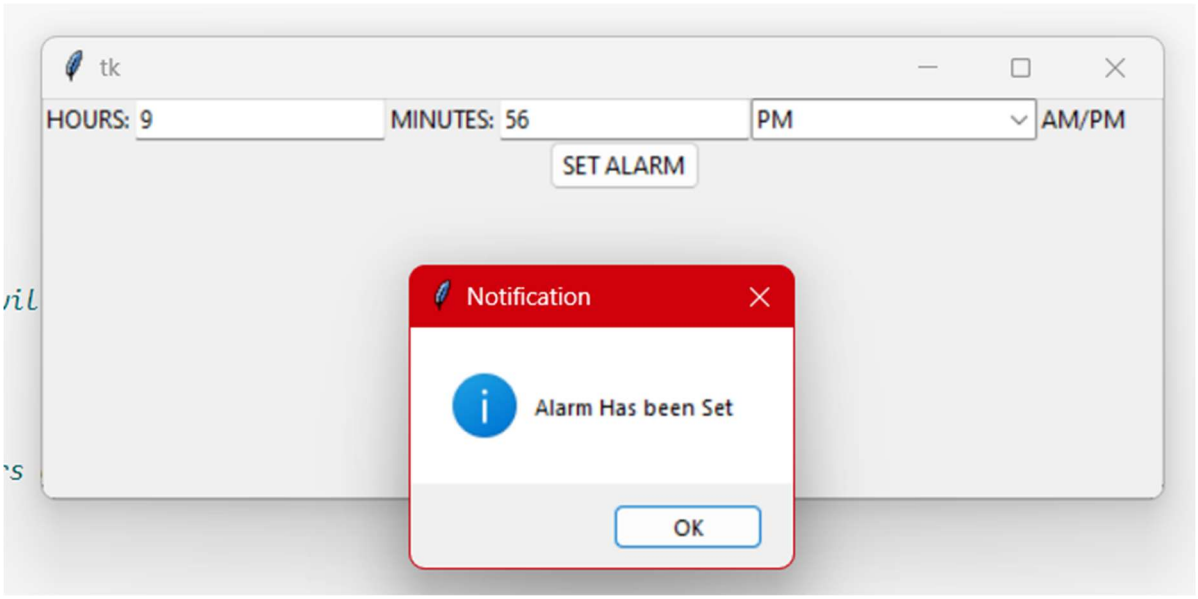
PROGRAM :-

```
from tkinter import*
import datetime
#to pop up a message
from tkinter.messagebox import*
#for combobox(drop down box)
from tkinter.ttk import*
#for sound
import winsound

obj=Tk()
obj.geometry("560x200")

#alarm function when button pressed will be called

def alarm():


    #we will get/take input from hours and min from entry box and store in x&y
    if c1.get()=="AM":
        x=int(e1.get())
        y=int(e2.get())

    if c1.get()=="PM":
        x=int(e1.get())+12
        y=int(e2.get())
```

```
    #after pressing alarm button
    #title of window is notification and message is alarm has been set
    showinfo("Notification","Alarm Has been Set")

    # i/p  need to compare it with current time multiple times for comparing we will create infinite loop
    while True:
  #when matches pop up window will open titled notification and msg will be wake up
        if x == datetime.datetime.now().hour and y == datetime.datetime.now().minute:
            for i in range(0,100):
                winsound.Beep(1000,100)
            break
  #when matches beep sound will come

#lable
l1=Label(obj,text="HOURS:")
l2=Label(obj,text="MINUTES:")
l3=Label(obj,text="AM/PM")

#lable loc
l1.grid(row=0,column=0)
l2.grid(row=0,column=2)
l3.grid(row=0,column=5)
#entrybox to take input from user

e1=Entry(obj)
e2=Entry(obj)

#positioning of input enter box Enter in front of hours and min so 1,2 col val
e1.grid(row=0,column=1)
e2.grid(row=0,column=3)

#button creation and function of alarm
```

```
b1=Button(obj,text="SET ALARM",command=alarm)

#positioning of button b1
b1.grid(row=3,column=3)

#combobox drop down box for am/pm
c1=Combobox(obj,values=["AM","PM"])
#positioning of combobox
c1.grid(row=0,column=4)
obj.mainloop()
```

OUTPUT:-


tk
HOURS: 9
MINUTES: 56
PM
AM/PM
SET ALARM
Notification
Alarm Has been Set
OK