

```
from tkinter import *  
import datetime  
import time  
import winsound
```

```
def alarm(set_alarm_timer):  
    while True:  
        time.sleep(1)  
        current_time = datetime.datetime.now()  
        now = current_time.strftime("%H:%M:%S")  
        date = current_time.strftime("%d/%m/%Y")  
        print("The Set Date is:",date)  
        print(now)  
        if now == set_alarm_timer:  
            print("Time to Wake up")  
            winsound.PlaySound("sound.wav",winsound.SND_ASYNC)  
            break
```

```
def actual_time():  
    set_alarm_timer = f"{hour.get()}:{min.get()}:{sec.get()}"  
    alarm(set_alarm_timer)
```

```
clock = Tk()
```

```
clock.title("CS ALARM PROJECT MADE BY DHRUV AND SIDDHU")
```

```
clock.geometry("700x400")
```

```
time_format=Label(clock, text= "Please enter your time in 24 hour format",  
fg="yellow",bg="black",font="Arial").place(x=60,y=120)
```

```
addTime = Label(clock,text = "Hour  Min  Sec",font=60).place(x = 110)
```

```
setYourAlarm = Label(clock,text = "Alarm set up for:",fg="brown",relief =  
"solid",font=("Helvetica",7,"bold")).place(x=0, y=29)
```

```
hour = StringVar()
```

```
min = StringVar()
```

```
sec = StringVar()
```

```
hourTime= Entry(clock,textvariable = hour,bg = "pink",width = 15).place(x=110,y=30)
```

```
minTime= Entry(clock,textvariable = min,bg = "red",width = 15).place(x=150,y=30)
```

```
secTime = Entry(clock,textvariable = sec,bg = "green",width = 15).place(x=200,y=30)
```

```
submit = Button(clock,text = "Set Alarm",fg="blue",width = 10,command = actual_time).place(x  
=110,y=70)
```

```
clock.mainloop()
```