PROJECT TITLE : ALARM CLOCK IN PYTHON

Language Used Python (GUI) Based Python version (Recommended) 2.x or 3.x

In [1]:
```
# Importing all the necessary modules
from tkinter import *
import winsound

import datetime
import time
```

In [2]:
```
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)
```

In [ ]:
```
clock = Tk()

clock.title("Kiruthika's Alarm Clock")
clock.geometry("400x200")
time_format=Label(clock, text= "Enter time in 24 hour format!", fg="red",bg="black",fon
time_format2=Label(clock, text= "Have a good Sleep and start a fresh day!!!", fg="blue"
addTime = Label(clock,text = "Hour  Min   Sec",font=60).place(x = 110)
setYourAlarm = Label(clock,text = "REMIND ME!!!",fg="black",relief = "solid",font=("Hel

# The Variables we require to set the alarm(initialization):
hour = StringVar()
min = StringVar()
sec = StringVar()

#Time required to set the alarm clock:
hourTime= Entry(clock,textvariable = hour,bg = "orange",width = 15).place(x=110,y=30)
minTime= Entry(clock,textvariable = min,bg = "orange",width = 15).place(x=150,y=30)
secTime = Entry(clock,textvariable = sec,bg = "orange",width = 15).place(x=200,y=30)

#To take the time input by user:
submit = Button(clock,text = "Set Alarm",fg="red",width = 10,command = actual_time).pla

clock.mainloop()
#Execution of the window.
```

In [ ]: