

```

Alarm clock task 2.py x
1
2 from tkinter import *
3 import datetime
4 import time
5 import winsound
6 from threading import *
7
8 root = Tk()
9 root.geometry("400x200")
10
11 def Threading():
12     t1=Thread(target=alarm)
13     t1.start()
14
15 def alarm():
16     while True:
17         set_alarm_time = f"{hour.get()}:{minute.get()}:{second.get()}"
18         time.sleep(1)
19         current_time = datetime.datetime.now().strftime("%H:%M:%S")
20         print(current_time,set_alarm_time)
21         if current_time == set_alarm_time:
22             print("Time to Wake up")
23             winsound.PlaySound("sound.wav",winsound.SND_ASYNC)
24
25 Label(root,text="Alarm Clock",font=("Helvetica 20 bold"),fg="red").pack(pady=10)
26 Label(root,text="Set Time",font=("Helvetica 15 bold")).pack()
27
28 frame = Frame(root)

```

```
Alarm clock task 2.py x
29 frame.pack()
30
31 hour = StringVar(root)
32 hours = ('00', '01', '02', '03', '04', '05', '06', '07',
33         '08', '09', '10', '11', '12', '13', '14', '15',
34         '16', '17', '18', '19', '20', '21', '22', '23', '24'
35         )
36 hour.set(hours[0])
37
38 hrs = OptionMenu(frame, hour, *hours)
39 hrs.pack(side=LEFT)
40
41 minute = StringVar(root)
42 minutes = ('00', '01', '02', '03', '04', '05', '06', '07',
43           '08', '09', '10', '11', '12', '13', '14', '15',
44           '16', '17', '18', '19', '20', '21', '22', '23',
45           '24', '25', '26', '27', '28', '29', '30', '31',
46           '32', '33', '34', '35', '36', '37', '38', '39',
47           '40', '41', '42', '43', '44', '45', '46', '47',
48           '48', '49', '50', '51', '52', '53', '54', '55',
49           '56', '57', '58', '59', '60')
50 minute.set(minutes[0])
51
52 mins = OptionMenu(frame, minute, *minutes)
53 mins.pack(side=LEFT)
54
55 second = StringVar(root)
56 seconds = ('00', '01', '02', '03', '04', '05', '06', '07',
```

Alarm clock task 2.py x

```
50 minute.set(minutes[0])
51
52 mins = OptionMenu(frame, minute, *minutes)
53 mins.pack(side=LEFT)
54
55 second = StringVar(root)
56 seconds = ('00', '01', '02', '03', '04', '05', '06', '07',
57            '08', '09', '10', '11', '12', '13', '14', '15',
58            '16', '17', '18', '19', '20', '21', '22', '23',
59            '24', '25', '26', '27', '28', '29', '30', '31',
60            '32', '33', '34', '35', '36', '37', '38', '39',
61            '40', '41', '42', '43', '44', '45', '46', '47',
62            '48', '49', '50', '51', '52', '53', '54', '55',
63            '56', '57', '58', '59', '60')
64 second.set(seconds[0])
65
66 secs = OptionMenu(frame, second, *seconds)
67 secs.pack(side=LEFT)
68
69 Button(root, text="Set Alarm", font=("Helvetica 15"), command=Threading).pack(pady=20)
70
71 root.mainloop()
72
73
74
75
```


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Alarm clock task 2.py X

C:\> Users > SRI LAKSHMI > Desktop > PRATHIBHA > Innovixion Tech > Alarm clock ta

50 tk

51

52

53

54

55

56

57

58

59

60

61

Alarm Clock

Set Time

00

00

00

Set Alarm

minutes

'04',

2', '13

20', '21

'24', '25', '26', '27', '28', '29

'32', '33', '34', '35', '36', '37

'40', '41', '42', '43', '44', '45

Alarm clock task 2.py X

```

42 minutes = ('00', '01', '02', '03', '04', '05', '06',
43             '08', '09', '10', '11', '12', '13', '14', '15',
44             '16', '17', '18', '19', '20', '21', '22', '23',
45             '24', '25', '26', '27', '28', '29', '30', '31',
46             '32', '33', '34', '35', '36', '37', '38', '39',
47             '40', '41', '42', '43', '44', '45', '46', '47',
48             '48', '49', '50', '51', '52', '53', '54', '55',
49             '56', '57', '58', '59')
50
51
52
53 mins.pack(side=LEFT)
54
55 second = StringVar(root)
56 seconds = ('00', '01', '02', '03', '04', '05', '06', '07',
57            '08', '09', '10', '11', '12', '13', '14', '15',
58            '16', '17', '18', '19', '20', '21', '22', '23',
59            '24', '25', '26', '27', '28', '29', '30', '31',

```

tk

Alarm Clock

Set Time

11

40

00

Set Alarm

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

11:39:57 11:40:00
11:39:57 11:40:00
11:39:58 11:40:00
11:39:58 11:40:00
11:39:59 11:40:00
11:39:59 11:40:00
11:40:00 11:40:00
Time to Wake Up
11:40:00 11:40:00
Time to Wake up
11:40:01 11:40:00
11:40:01 11:40:00

```

0 0 0 0

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