Lab Assignment 1

Task1

Build an Internet Shopping Agent that allows customers to search many online retailers and buy at the lowest price.

- Environment: Website, Customers, retailers
- Percept: User demand (Product, Price range, brand), Feedback
- Action: List of products, suggestions

Percept Sequence	Action
(Price, higher)	*Search in range / show list*
(Price, lower)	*Search in range / show list*
(Price, higher)	*Not found / notification for another range*
(Price, lower)	*Not found / notification for another range*
(Brand, found)	*Show the list*
(Brand, not found)	*Notification for another brand*

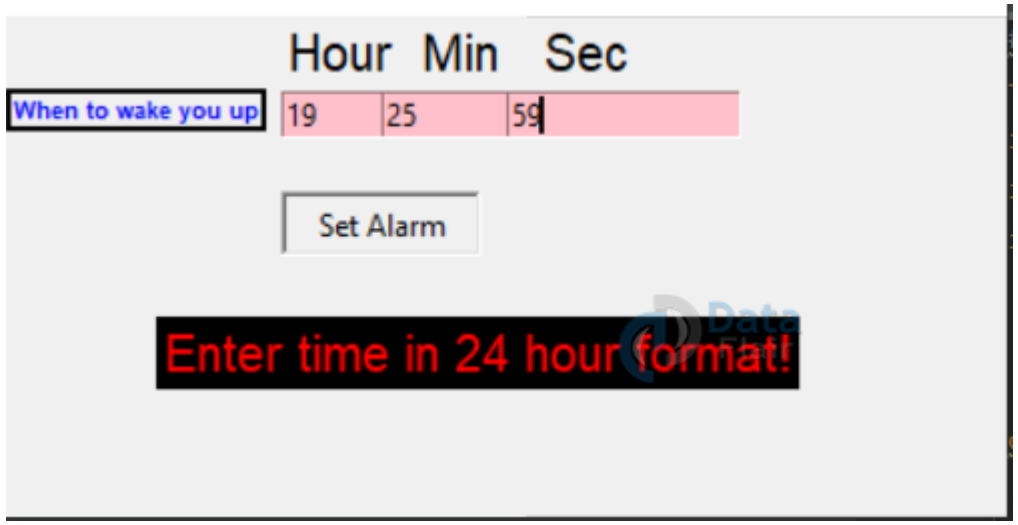
Task 2

Build a simple reflex agent for home automation.

(i) Enabling Thermostat

(ii) Enabling lamps

Task 3



Build an alarm clock :

Function: alarm()

→Set the alarm date and time (recursive)

→Get the actual date and time

→Compare the actual date & time with set date & time

→Trigger the alarm

Hint:

```
current_time = datetime.datetime.now()
 now = current_time.strftime("%H:%M:%S")
set_alarm_timer = f"{hour.get()}:{min.get()}:{sec.get()}
if now == set_alarm_timer:
        print("Time to Wake up")
        winsound.PlaySound("sound.wav",winsound.SND_ASYNC)
        break
```