

Alien Clock

You are given the following information:

- Below is the time comparison between Earth time and Alien time:
 - 1970-1-1, 12:00:00am Earth time is equivalent to Year 2804, Month 18, Day 31, Hour 2, Minute 2, Second 88 Alien's time.
 - 1 second Alien time is 0.5 second Earth time.
- Below is the information about Alien's time:
 - 1 minute is 90 seconds.
 - 1 hour is 90 minutes.
 - 1 day is 36 hours.
 - There are 18 months in a year.
 - Number of days in respective month is as shown below:

Month	1	2	3	4	5	6	7	8	9
Days	44	42	48	40	48	44	40	44	42
Month	10	11	12	13	14	15	16	17	18
Days	40	40	42	44	48	42	40	44	38

Write a standalone program that has the following functions:

- Display the Alien clock (be creative) showing current date and time The clock should be updated every 1 Alien second.
- Allow user to set date and time. Validate the input.

Bonus:

- Display Earth's date and time based on the Alien's time.
- Allow user to set alarm.

Remarks:

You can do it in any programming language that you are most familiar with, including server side programming with simple user interface.