

We have found ourselves in need of a birthday reminder application.

We know that there are lots of existing applications for this purpose, nevertheless we would like that you create a Python application which would to the job.

We need a script that will run as a Cron job daily and send emails to everyone from a given list of people (≤ 100 people), except the person who will be celebrating their birthday. The reminder email should be sent one week before the person's birthday.

The script should have two commands/options:

- 1.validate the persons birthday data file, print errors (if found)
- 2.check for upcoming birthdays and send emails if there are any. Exit once emails are sent.

The list of people will be provided in a separate text file in CSV/JSON/YAML/Other format (please state why you chose the other format). A person's entry in the file will contain:

- 1.the person's name,
- 2.email,
- 3.birthdate (in YYYY-MM-DD or MM-DD format).

The data file is considered valid if:

- it can be successfully parsed,
- all people have a name set,
- all people have an email set (however, you don't need to check if the email addresses are valid or not),
- each person's birthdate is a valid date (eg. no 02-30 or 01-32) in the **PAST**.

For the sake of simplicity let's assume that:

- 1.the emails can always be sent successfully in 3 retries,
- 2.emails are sent instantly (there is no need to send the emails asynchronously),
- 3.the email template is hardcoded.

The script's interface should preferably be CLI.

An example email template:

```
Subject: Birthday Reminder: %(name_of_birthday_person)s's birthday on %(date)s
Body:

Hi %(name)s,

This is a reminder that %(name_of_birthday_person)s will be celebrating their
birthday on %(date)s.

There are %(amount_of_days)s left to get a present!
```

It would be great if you would use git VCS for the development of this small project.