

```

#!/usr/bin/env python3

import datetime

def main():
    """
    Create a datetime object for today's date
    """

    # COMPLETE IMPLEMENTATION
    todays_date = datetime.datetime.now().date()

    date_list = every_lab(todays_date)

    """
    variable date_list should contain datetime objects
    for all the days when you have a lab
    print these dates in the format "Mon, 15 Jan 21"
    """

    # COMPLETE IMPLEMENTATION
    for lab_date in date_list:
        print(lab_date.strftime("%a, %d %b %y"))

def every_lab(todays_date):
    """
    Assume that you have a lab every week till the end of classes.
    (Only your lab, in this instance.)

    This function will create datetimes objects for those labs,
    add them to a list and then return this list
    """

    # COMPLETE IMPLEMENTATION
    lab_dates = []

    # Classes end on April 4th, 2025
    end_date = datetime.date(2025, 4, 4)

    # Labs are on Fridays (weekday 4, as Monday is 0)
    lab_weekday = 4

    # Find the next Friday from today's date
    days_until_friday = (lab_weekday - todays_date.weekday()) % 7

    # If today is Friday, include it
    if days_until_friday == 0:
        next_lab = todays_date
    else:
        next_lab = todays_date + datetime.timedelta(days=days_until_friday)

    # Add all lab dates until the end of classes
    current_date = next_lab
    while current_date <= end_date:
        lab_dates.append(current_date)
        current_date = current_date + datetime.timedelta(days=7) # Next
    Friday
    return lab_dates

if __name__ == "__main__":
    main()

```

```
[tanujd@ugls23 lab-06]$ python q_my_labs.py
Fri, 28 Feb 25
Fri, 07 Mar 25
Fri, 14 Mar 25
Fri, 21 Mar 25
Fri, 28 Mar 25
Fri, 04 Apr 2
```

```
[tanujd@ugls23 labs]$ git add .
[tanujd@ugls23 labs]$ ls
lab-02 lab-04 lab-05 lab-06
[tanujd@ugls23 labs]$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   lab-06/before_birthdates.py
    new file:   lab-06/care_sched_nurses.txt
    new file:   lab-06/deadlines.py
    new file:   lab-06/florence_sched.txt
    new file:   lab-06/q_care_schedule.py
    new file:   lab-06/q_my_labs.py
    new file:   lab-06/q_nurse_schedule.py

[tanujd@ugls23 labs]$ git commit -m "Lab 06 Submission"

[master e4efd62] Lab 06 Submission
Committer: Tanuj Dargan <tanujd@ugls23.ece.uvic.ca>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
7 files changed, 1410 insertions(+)
create mode 100644 labs/lab-06/before_birthdates.py
create mode 100644 labs/lab-06/care_sched_nurses.txt
create mode 100644 labs/lab-06/deadlines.py
create mode 100644 labs/lab-06/florence_sched.txt
create mode 100644 labs/lab-06/q_care_schedule.py
create mode 100644 labs/lab-06/q_my_labs.py
create mode 100644 labs/lab-06/q_nurse_schedule.py
[stanujd@ugls23 labs]$
[stanujd@ugls23 labs]$ git push
```

[illegible]

Use of this system must adhere to:

'Policy IM7200: Responsible Use of Information Technology Services',
http://www.uvic.ca/universitysecretary/assets/docs/policies/IM7200_6030_.pdf

AND

'Software Engineering Program Standards for Professional Behaviour',
<http://www.uvic.ca/engineering/assets/docs/professional-behaviour.pdf>

AND

'Use of the Engineering Computer Data Network Infrastructure',
<http://www.uvic.ca/engineering/current/services/computing/index.php>

```
Software Engineering Program Computer Support Group                                sengsys@uvic.ca
Enumerating objects: 100% (13/13), done.
Counting objects: 100% (13/13), done.
Delta compression using up to 8 threads
Compressing objects: 100% (11/11), done.
Writing objects: 100% (11/11), 7.62 KiB | 2.54 MiB/s, done.
Total 11 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
To ssh://git.seng.uvic.ca/seng265/tanujd
a2b43b2..e4ef6d2 master -> master
```