1. Add the current date to the text file today.txt as a string.

from datetime import date

now = date.today()

now\_str = now.isoformat()

with open('today.txt', 'wt') as output:

print(now\_str, file=output)

2. Read the text file today.txt into the string today\_string

with open('today.txt', 'rt') as input:

today\_string = input.read()

today\_string

3. Parse the date from today\_string.

from datetime import datetime

fmt = '%Y-%m-%d\n'

datetime.strptime(today\_string, fmt)

4. List the files in your current directory

import os

os.listdir('.')

5. Create a list of all of the files in your parent directory (minimum five files should be available).

os.listdir('..')

6. Use multiprocessing to create three separate processes. Make each one wait a random number of seconds between one and five, print the current time, and then exit.

!python multi\_process.py

7. Create a date object of your day of birth.

my\_day = date(1996, 8, 10)

my\_day

8. What day of the week was your day of birth?

my\_day.weekday()

my\_day.isoweekday()

9. When will you be (or when were you) 10,000 days old?

from datetime import timedelta

ten\_thousand = my\_day + timedelta(days=10000)

ten\_thousand