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

import datetime

import os

import multiprocessing

with open('today.txt', 'w') as file:

today = datetime.date.today()

file.write(str(today))

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

with open('today.txt', 'r') as file:

today\_string = file.read()

3. Parse the date from today\_string.

parsed\_date = datetime.datetime.strptime(today\_string, '%Y-%m-%d').date()

4. List the files in your current directory

current\_directory\_files = os.listdir()

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

parent\_directory\_files = 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.

def print\_current\_time():

now = datetime.datetime.now()

print(f'Current time: {now}')

processes = [multiprocessing.Process(target=print\_current\_time) for \_ in range(3)]

for process in processes:

process.start()

for process in processes:

process.join()

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

birthday = datetime.date(1990, 5, 15)

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

day\_of\_week = birthday.strftime('%A')

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

ten\_thousand\_days\_old = birthday + datetime.timedelta(days=10000)