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

from datetime import datetime

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

file.write(datetime.now().isoformat())

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

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

today\_string = file.read()

1. Parse the date from today\_string.

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

today\_string = file.read()

1. List the files in your current directory

import os

print(os.listdir('.'))

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

import os

print(os.listdir('..'))

1. 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.

from multiprocessing import Process

from time import sleep

from datetime import datetime

import random

def print\_time():

sleep(random.randint(1, 5))

print(datetime.now())

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

for p in processes:

p.start()

for p in processes:

p.join()

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

from datetime import date

birth\_date = date(YYYY, MM, DD) # Replace YYYY, MM, DD with your birth year, month, and day

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

print(birth\_date.strftime('%A'))

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

from datetime import timedelta

future\_date = birth\_date + timedelta(days=10000)

print(future\_date)