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

from datetime import date

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

file.write(str(date.today()))

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

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

today\_string = file.read()

print(today\_string)

**3. Parse the date from today\_string.**

from datetime import datetime

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

print(parsed\_date)

**4. List the files in your current directory.**

import os

files = os.listdir('.')

print(files)

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

parent\_files = os.listdir('..')

print(parent\_files)

**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.**

import multiprocessing

import time

import random

from datetime import datetime

def worker():

wait\_time = random.randint(1, 5)

time.sleep(wait\_time)

print(f"Current time: {datetime.now()}")

processes = []

for \_ in range(3):

p = multiprocessing.Process(target=worker)

p.start()

processes.append(p)

for p in processes:

p.join()

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

from datetime import date

birthday = date(1990, 1, 1) # Replace with your birth date

print(birthday)

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

weekday = birthday.strftime('%A')

print(weekday)

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

from datetime import timedelta

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

print(ten\_thousand\_days)