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

import datetime

from datetime import date

now = date.today()

cur\_date = now.isoformat()

cur\_date

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

file.write(cur\_date)

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

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

today\_string = file.read()

today\_string

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

from datetime import datetime

format = '%Y-%m-%d'

datetime.strptime(today\_string,format)

**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).**

import os

path = "C:<path> "

dir\_list = os.listdir(path)

print("Files and directories in '", path, "' :")

print(dir\_list)

**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

def printsec(seconds):

from datetime import datetime

from time import sleep

sleep(seconds)

print('wait', seconds, 'seconds, time is', datetime.utcnow())

if \_\_name\_\_ == '\_\_main\_\_':

import random

for n in range(3):

seconds = random.random()

proc = multiprocessing.Process(target=printsec, args=(seconds,))

proc.start()

!python xyz.py

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

my\_dob = date(1995,9,29)

my\_dob

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

my\_dob.weekday()

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

from datetime import timedelta

day10000 = my\_dob + timedelta(days=10000)

day10000