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

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

3. Parse the date from today\_string.

4. List the files in your current directory

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

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.

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

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

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

**Solution: 1**

import datetime

# Code to Add current date to the today.txt file

file = open('today.txt','w')

file.write(datetime.datetime.now().strftime("%d-%m-%Y"))

file.close()

# Code to Read current date from today.txt file

file = open('today.txt','r')

print(file.read())

file.close()

**Solution: 2**

file = open('today.txt','r')

today\_string = file.read()

print(today\_string)

**Solution: 3**

from datetime import datetime

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

print(parsed\_data)

**Solution: 4**

import os

for folders, subfolders, files in os.walk(os.getcwd()):

for file in files:

print(file)

**Solution: 5**

import os

os.listdir()

**Solution: 6**

import multiprocessing

import time

import random

import datetime

def procOne():

print(f'Proc\_one\_Starttime -> {datetime.datetime.now()}')

time.sleep(random.randint(1,5))

print(f'Proc\_one\_Endtime -> {datetime.datetime.now()}')

def procTwo():

print(f'Proc\_two\_Starttime -> {datetime.datetime.now()}')

time.sleep(random.randint(1,5))

print(f'Proc\_two\_Endtime -> {datetime.datetime.now()}')

def procThree():

print(f'Proc\_two\_Starttime -> {datetime.datetime.now()}')

time.sleep(random.randint(1,5))

print(f'Proc\_two\_Endtime -> {datetime.datetime.now()}')

if \_\_name\_\_ == "\_\_main\_\_":

p1 = multiprocessing.Process(target=procOne)

p2 = multiprocessing.Process(target=procTwo)

p3 = multiprocessing.Process(target=procThree)

p1.start()

p2.start()

p3.start()

p1.join()

p2.join()

p3.join()

**Solution: 7**

from datetime import datetime

my\_dob = datetime.strptime('22/04/1997','%d/%m/%Y')

print(my\_dob, type(my\_dob))

**Solution: 8**

from datetime import datetime

my\_dob = datetime(1997,4,22)

my\_dob.strftime("%A")

**Solution: 9**

from datetime import datetime, timedelta

my\_dob = datetime.strptime("22/04/1997",'%d/%m/%Y')

future\_date = my\_dob-timedelta(10000)

future\_date