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

import datetime

todays\_date = datetime.date.today()

filename = todays\_date.strftime('%Y-%m-%d') + '.txt'

print(filename)

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

string date = DateTime.ToString("yyyyMMdd");

3. Parse the date from today\_string.

DateTime*.*Parse*()*

4. List the files in your current directory

ls -a

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

**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.

start = time.time()

process1 = zoo.process1()

process2 = zoo.process1()

process3 = zoo.process1()

print(datetime.datetime.now())

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

p1 = multiprocessing.Process(target=process1)

p2 = multiprocessing.Process(target=process2)

p3 = multiprocessing.Process(target=process3)

p1.start()

p2.start()

p3.start()

p1.join()

p2.join()

p3.join()

end = time.time()

print("It takes " +str(end-start)+" seconds")

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

birthday = input("Enter your date of birth: ",)

day = birthday.find("/")

month = birthday.find("/")

year = birthday.rfind("/")

print("Day: ",day)

print("Month: ", month)

print("Year: ", year)

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

import datetime

import calendar

def findDay(date):

    born = datetime.datetime.strptime(date, '%d %m %Y').weekday()

    return (calendar.day\_name[born])

# Driver program

date = '03 02 2019'

print(findDay(date))

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

import datetime

start\_date = datetime.datetime(year=2008, month=5, day=19)

end\_date = start\_date + datetime.timedelta(days=10000)

print(end\_date.date()