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

from datetime import date

today = date.today()

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

file.write(str(today))

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

today\_string = open('today.text','r')

today\_string.read()

3. Parse the date from today\_string.

today\_string.read()

'2021-11-22'

4. List the files in your current directory

os.listdir('C://Users//ajin//test\_file123')

['Assignment\_1.docx',

'Assignment\_2.docx',

'Assignment\_3.docx',

'Assignment\_4.docx',

'Assignment\_5.docx',

'test123.txt']

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

list1 = os.listdir('C://Users//bhosr//test\_file123')

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.

from multiprocessing import Process

def fun():

print('hello current time is: ')

sleep\_time= random.choice(range(1,5))

time.sleep(sleep\_time)

print(time.ctime())

p1 = Process(target=fun)

p1.start()

p2 = Process(target=fun)

p2.start()

p3 = Process(target=fun)

p3.start()

p1.terminate()

p2.terminate()

p3.terminate()

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

bdate = '1991-03-12'

y,m,d = bdate.split('-')

bdate\_date = datetime.datetime(int(y),int(m),int(d))

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

weekdays = ["Monday", "Tuesday", "Wednesday",

"Thursday", "Friday", "Saturday", "Sunday"]

bdate = '1991-03-12'

y,m,d = bdate.split('-')

bdate\_date = datetime.datetime(int(y),int(m),int(d))

week\_day = weekdays[bdate\_date.weekday()]

week\_day

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

From datetime import timedelta

bdate\_date + timedelta(10000)

datetime.datetime(2018, 7, 28, 0, 0)