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

Ans:

**from** datetime **import** date

now **=** date**.**today()

now\_str **=** now**.**isoformat()

**with** open('today.txt', 'wt') **as** output:

print(now\_str, file**=**output)

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

Ans:

**with** open('today.txt', 'rt') **as** input:

today\_string **=** input**.**read()

today\_string

3. Parse the date from today\_string.

Ans:

**from** datetime **import** datetime

fmt **=** '%Y-%m-%d\n'

datetime**.**strptime(today\_string, fmt)

4. List the files in your current directory

Ans:

**import** os

os**.**listdir('.')

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

Ans:

os**.**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.

Ans;**!**python multi\_process.py

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

Ans:

my\_day **=** date(1996, 8, 10)

my\_day

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

Ans:

With weekday(), Monday is 0 and Sunday is 6. With isoweekday(), Monday is 1 and

Sunday is 7. Therefore, this date is a Saturday.

my\_day**.**weekday()

Out[19]:

5

In [20]:

my\_day**.**isoweekday()

Out[20]:

6

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

Ans: **from** datetime **import** timedelta

ten\_thousand **=** my\_day **+** timedelta(days**=**10000)

ten\_thousand