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:

3. Parse the date from today\_string.

Ans:

```
9]: from datetime import datetime
fmt = '%Y-%m-%d\n'
datetime.strptime(today_string, fmt)

9]: datetime.datetime(2021, 5, 4, 0, 0)
```

4. List the files in your current directory?

Ans:

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

#### Ans:

```
n [13]:
    os.listdir('..')

but[13]: ['Assignment_10.docx',
    'Assignment_11.docx',
    'Assignment_12.docx',
    'Assignment_12.docx',
    'Assignment_14.docx',
    'Assignment_15.docx',
    'Assignment_16.docx',
    'Assignment_17.docx',
    'Assignment_19.docx',
    'Assignment_19.docx',
    'Assignment_20.docx',
    'Assignment_21.docx',
    'Assignment_21.docx',
    'Assignment_22.docx',
    'Assignment_23.docx',
    'Assignment_23.docx',
    'Assignment_23.docx',
    'Assignment_24.docx',
    'Assignment_25.docx',
    'Assignment_3.docx',
    'Assignment_3.docx',
    'Assignment_4.docx',
    'Assignment_5.docx',
    'Assignment_6.docx',
    'Assignment_8.docx',
    'Assignment_9.docx',
    'Solutions']
```

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:

```
l: !python multi_process.py

wait 0.11258240976256462 seconds, time is 2021-05-04 14:26:13.559911

wait 0.5027238463295997 seconds, time is 2021-05-04 14:26:13.947904

wait 0.7974100623500293 seconds, time is 2021-05-04 14:26:14.239878
```

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

#### Ans:

```
my_day = date(1996, 8, 10)
my_day

datetime.date(1996, 8, 10)
```

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

### Ans:

```
|: my_day.weekday()
|: 5

|: my_day.isoweekday()
|: 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
```

]: datetime.date(2023, 12, 27)