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

Ans :

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

Ans : '2021-05-04\n'

1. Parse the date from today\_string.

Ans : datetime.datetime(2021, 5, 4, 0, 0)

1. List the files in your current directory

Ans : ['.ipynb\_checkpoints',

'Assignment\_10\_Soln.ipynb',

'Assignment\_11\_Soln.ipynb',

'Assignment\_12\_Soln.ipynb',

'Assignment\_13\_Soln.ipynb',

'Assignment\_14\_Soln.ipynb',

'Assignment\_15\_Soln.ipynb',

'Assignment\_16\_Soln.ipynb',

'Assignment\_17\_Soln.ipynb',

'Assignment\_18\_Soln.ipynb',

'Assignment\_19\_Soln.ipynb',

'Assignment\_1\_Soln.ipynb',

'Assignment\_20\_Soln.ipynb',

'Assignment\_21\_Soln.ipynb',

'Assignment\_2\_Soln.ipynb',

'Assignment\_3\_Soln.ipynb',

'Assignment\_4\_Soln.ipynb',

'Assignment\_5\_Soln.ipynb',

'Assignment\_6\_Soln.ipynb',

'Assignment\_7\_Soln.ipynb',

'Assignment\_8\_Soln.ipynb',

'Assignment\_9\_Soln.ipynb',

'books.csv',

'books.db',

'image.jpg',

'new.zip',

'newimg.jpg',

'Soln.ipynb',

'test.txt',

'today.txt',

'zoo.py',

'\_\_pycache\_\_']

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

Ans : ['Assignment\_1.docx',

'Assignment\_10.docx',

'Assignment\_11.docx',

'Assignment\_12.docx',

'Assignment\_13.docx',

'Assignment\_14.docx',

'Assignment\_15.docx',

'Assignment\_16.docx',

'Assignment\_17.docx',

'Assignment\_18.docx',

'Assignment\_19.docx',

'Assignment\_2.docx',

'Assignment\_20.docx',

'Assignment\_21.docx',

'Assignment\_22.docx',

'Assignment\_23.docx',

'Assignment\_24.docx',

'Assignment\_25.docx',

'Assignment\_3.docx',

'Assignment\_4.docx',

'Assignment\_5.docx',

'Assignment\_6.docx',

'Assignment\_7.docx',

'Assignment\_8.docx',

'Assignment\_9.docx',

'Solutions']

1. 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 : 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

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

Ans : datetime.date(1996, 8, 10)

1. 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()

5

my\_day.isoweekday()

6

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

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