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

import datetime

today\_date = datetime.date.today()

today = today\_date.isoformat()

with open('today.txt','w+') as outfile:

outfile.write(today)

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

with open('today.txt', 'r+') as infile:

today\_string = infile.read()

print(today\_string)

2022-12-20

3. Parse the date from today\_string.

today\_string.split('-')[2]

‘20’

4. List the files in your current directory

import os

os.listdir(os.getcwd()) or os.listdir(‘.’)

['Encapsulation\_polymorphism\_Abstraction example.ipynb',

'File systems\_class assignment.ipynb',

'Functions\_class assignment answers.ipynb',

'Hotel to SFO airport.pdf',

'Hotel to X.pdf',

'Inheritance class assignment.ipynb',

'inheritence.log',

'kids.txt',

'merged.pdf',

'Modules\_packages\_classes\_ assignment.ipynb',

'OOPs\_examples.ipynb',

'OOPs\_Modules\_Class Assignment.ipynb',

'pdf.log',

'python basic\_prog\_Assign\_3.ipynb',

'Python\_Basics.ipynb',

'result1.txt']

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

import os

current\_dir = os.getcwd() or os.listdir(‘..’)

print(current\_dir)

parent\_dir = os.path.abspath(os.path.join(current\_dir, os.pardir))

print(parent\_dir)

os.listdir(parent\_dir)

C:\Users\anjik\Desktop\iNeuron\_FSDS\Class Assignments

C:\Users\anjik\Desktop\iNeuron\_FSDS

['.ipynb\_checkpoints',

'Class Assignments',

'Class notes',

'DataSci\_Dr. Gelli Resume\_101422 (1).doc',

'Functions\_class assignment answers.ipynb',

'Hotel to SFO airport.pdf',

'Hotel to X.pdf',

'New folder',

'Programming Assignments',

'python basic\_prog\_Assign\_3.ipynb']

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.

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

import datetime

DOB = datetime.date(1982,6,6)

print(DOB)

1982-06-06

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

DOB.strftime('%A')

'Sunday'

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

from datetime import timedelta

print(DOB + timedelta(days=10000))

2038-02-21