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

Ans:

import datetime

from datetime import date

now = date.today()

cur\_date = now.isoformat()

cur\_date

O/P: '2023-08-23'

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

file.write(cur\_date)

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

Ans

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

today\_string = file.read()

today\_string

O/P: '2023-08-23'

1. Parse the date from today\_string.

Ans:

from datetime import datetime

format = '%Y-%m-%d'

datetime.strptime(today\_string,format)

O/P: datetime.datetime(2023, 8, 23, 0, 0)

1. List the files in your current directory

Ans:

import os

os.listdir('.')

O/P:

['.config',

'solo-leveling-igris-shadow-uhdpaper.com-8K-4.2344.jpg',

'today.txt',

'Aman.jpg',

'iphone.jpg',

'abc.py',

'wedding.png',

'sample\_data']

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:

import multiprocessing

def printsec(seconds):

from datetime import datetime

from time import sleep

sleep(seconds)

print('wait', seconds, 'seconds, time is', datetime.utcnow())

if \_\_name\_\_ == '\_\_main\_\_':

import random

for n in range(3):

seconds = random.random()

proc = multiprocessing.Process(target=printsec, args=(seconds,))

proc.start()

!python abc.py

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

Ans:

my\_dob = date(1987,4,18)

my\_dob

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

Ans:

my\_dob.weekday()

O/p: 3

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

Ans:

from datetime import timedelta

day10000 = my\_dob + timedelta(days=10000)

day10000