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

current\_date\_and\_time = datetime.datetime.now()

current\_date\_and\_time\_string = str(current\_date\_and\_time)

extension = ".txt"

file\_name = current\_date\_and\_time\_string + extension

file = open(today.txt, 'w')

file.close()

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

file\_name = current\_date\_and\_time\_string + extension

file = open(today.txt, 'r')

file.close()

1. Parse the date from today\_string.

file\_name = current\_date\_and\_time\_string + extension

file = open(today.txt, 'r')

file.close()

1. List the files in your current directory

To get a list of all the files and folders in a particular directory in the filesystem, use os.listdir() in legacy versions of Python or os.scandir() in Python 3.x. os.scandir() is the preferred method to use if you also want to get file and directory properties such as file size and modification date.

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

To get a list of all the files and folders in a particular directory in the filesystem, use os.listdir() in legacy versions of Python or os.scandir() in Python 3.x. os.scandir() is the preferred method to use if you also want to get file and directory properties such as file size and modification date.

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.

import multiprocessing,time,datetime

import zoo

# def process1():

# t1 = random.randint(1,5)

# print("Waiting for "+str(t1)+" seconds")

# time.sleep(t1)

# print(datetime.datetime.now())

start = time.time()

process1 = zoo.process1()

process2 = zoo.process1()

process3 = zoo.process1()

print(datetime.datetime.now())

if \_\_name\_\_=="\_\_main\_\_":

p1 = multiprocessing.Process(target=process1)

p2 = multiprocessing.Process(target=process2)

p3 = multiprocessing.Process(target=process3)

p1.start()

p2.start()

p3.start()

p1.join()

p2.join()

p3.join()

end = time.time()

print("It takes " +str(end-start)+" seconds")

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

from datetime import datetime

dob = input("Enter your Birthday (dd-mm-yyyy) : ")

res = datetime.strptime(dob, "%d-%m-%Y")

if res < datetime(2000, 1, 1):

print("You were Born in the Previous Millennium")

else:

print("You were Born During this Millennium")

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

import datetime

import calendar

def findDay(date):

born = datetime.datetime.strptime(date, '%d %m %Y').weekday()

return (calendar.day\_name[born])

# Driver program

date = '03 02 2019'

print(findDay(date))

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

from datetime import date

def calculateAge(birthDate):

today = date.today()

age = today.year - birthDate.year -

((today.month, today.day) <

(birthDate.month, birthDate.day))

return age

# Driver code

print(calculateAge(date(1997, 2, 3)), "years")