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

import datetime

filename = datetime.datetime.now()

def create\_file():

with open(filename.strftime("%d %B %Y")+".txt", "w") as file:

file.write("")

create\_file()

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

with open(“today.txt”,’r’) as today\_string:

today\_string.read()

1. Parse the date from today\_string.

with open(“today.txt”,’r’) as today\_string:

today\_string.read()

1. List the files in your current directory

Import os

os.listdir(os.curdir)

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

from pathlib import Path

path = Path("C:\\Users\\risha\\Untitled Folder 1\\Assignment.py")

print(path.parent.absolute())

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 time

Import random

Import multiprocessing

X=random.randint(1,5)

def sq(n):

print(“Square of given number is {}”.format(n\*n))

def cube(n):

print(“Cube is {}”.format(n\*n\*n))

def double(n):

print(“Double of given number is {}”.format(n\*2))

p1=mulprocessing.Process(target=sq, args(3,))

p2=mulprocessing.Process(target=cube, args(3,))

p3=mulprocessing.Process(target=double, args(3,))

p1.start()

p2.start()

p3.start()

print(time.time())

p1.join()

time.sleep(X)

print(time.time())

p2.join()

time.sleep(X)

print(time.time())

p3.join()

print(time.time())

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

Import datetime

def birth\_date(bday):

Y,M,D= bday.split(‘-‘)

print(D)

bday=birth\_date(04-07-2000)

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

Import datetime

Weekdays=[‘Mon’, ‘Tue’, ‘Wed’, ‘Thu’, ‘Fri’, ‘Sat’, ‘Sun’]

def birth\_date(bday):

year,month,day = bday.split(‘-‘)

bdate=datetime.datetime(int(year), int(moth), int(day))

weekday=bdate.weekday()

print(Weekday[weekday])

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