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

Import datetime

Today.txt= datetime.datetime.now()

def create\_file():

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

        file.write("")

create\_today.txt()

output:

28 october 2022.txt

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

text.file=open(“d:/today.txt”,”r”)

data=text\_file.read()

text\_file(close)

print(data)

1. Parse the date from today\_string.

Date.parse()

1. List the files in your current directory

Import os

path = "[C://Users//anu//Desktop//gfg](file:///C:\Users\Vanshi\Desktop\gfg)"

dir\_list = os.listdir(path)

print("Files and directories in '", path, "' :")

print(dir\_list)

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("/here/your/path/file.txt")

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 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.

birthday = input("Enter your date of birth: ",)

day = birthday.find("/")

month = birthday.find("/")

year = birthday.rfind("/")

print("Day: ",day)

print("Month: ", month)

print("Year: ", year)

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

birthday = input("Enter your date of birth: ",)

day = birthday.find("/")

month = birthday.find("/")

year = birthday.rfind("/")

print("Day: ",day)

print("Month: ", month)

print("Year: ", year)

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

years = range(2000, 2050)

lst\_days = []

count = 0

tot\_days = 0

for year in years:

if((year % 400 == 0) or (year % 100 != 0) and (year % 4 == 0)):

lst\_days.append(366)

else:

lst\_days.append(365)

while tot\_days <= 10000:

tot\_days = tot\_days + lst\_days[count]

count = count+1

print(count)