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

import datetime  
with open("today.txt",'w') as file:  
 file.write(datetime.datetime.now().strftime("%d-%m-%Y"))  
 file.close()  
with open("today.txt",'r') as file:  
 print(file.read())  
 file.close()

output:

16-07-2022

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

with open("today.txt","r") as file:  
 today\_string=file.read()  
print(today\_string)

1. Parse the date from today\_string.

from datetime import datetime  
parsedDate=datetime.strptime(today\_string,'%d-%m-%Y')  
print(parsedDate)

1. List the files in your current directory

import os  
for folders, subfolders, files in os.walk(os.getcwd()):  
 for i in files:  
 print(i)

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

import os  
os.listdir()

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.
2. #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  
   import time  
   import random  
   import datetime  
   def procOne():  
    print(f'Proc\_one\_Starttime -> {datetime.datetime.now()}')  
    time.sleep(random.randint(1, 5))  
    print(f'Proc\_one\_Endtime -> {datetime.datetime.now()}')  
   def procTwo():  
    print(f'Proc\_two\_Starttime -> {datetime.datetime.now()}')  
    time.sleep(random.randint(1, 5))  
    print(f'Proc\_two\_Endtime -> {datetime.datetime.now()}')  
   def procThree():  
    print(f'Proc\_two\_Starttime -> {datetime.datetime.now()}')  
    time.sleep(random.randint(1, 5))  
    print(f'Proc\_two\_Endtime -> {datetime.datetime.now()}')  
   if \_\_name\_\_ == "\_\_main\_\_":  
    p1 = multiprocessing.Process(target=procOne)  
    p2 = multiprocessing.Process(target=procTwo)  
    p3 = multiprocessing.Process(target=procThree)  
     
    p1.start()  
    p2.start()  
    p3.start()  
     
    p1.join()  
    p2.join()  
    p3.join()
3. Create a date object of your day of birth.

from datetime import datetime  
myDob = datetime.strptime('27/09/1997','%d/%m/%Y')  
print(myDob, type(myDob))

"C:\Users\Muskan Sinha\anaconda3\envs\MySqlFirst\python.exe" "C:/Users/Muskan Sinha/PycharmProjects/MySql01/Test4.py"

1997-09-27 00:00:00 <class 'datetime.datetime'>

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

from datetime import datetime  
my\_dob = datetime(1997,9,27)  
print(my\_dob.strftime("%A"))

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

from datetime import datetime, timedelta  
my\_dob = datetime.strptime("27/09/1997",'%d/%m/%Y')  
future\_date = my\_dob-timedelta(10000)  
print(future\_date)