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

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

file**.**write(cur\_date)

2. 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

3. Parse the date from today\_string.

Ans:

**from** datetime **import** datetime

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

datetime**.**strptime(today\_string,format)

4. List the files in your current directory

Ans:

**import** os

os**.**listdir('.')

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

Ans:

import os

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

dir\_list = os.listdir(path)

 print(dir\_list)

6. 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(1998,9,9)

my\_dob

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

Ans:

my\_dob**.**weekday()

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