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

Ans:from datetime import date  
now = date.today()  
now\_str = now.isoformat()  
with open('today', 'wt') as output:  
 print(now\_str, file=output)

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

Ans:with open('today', 'rt') as input:  
 today\_string = input.read()  
print(today\_string)

3. Parse the date from today\_string.

Ans:fmt = '%Y-%m-%d\n'  
datetime.strptime(today\_string, fmt)  
datetime.datetime(2014, 2, 4, 0, 0)

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  
os.listdir('..')

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 now(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=now, args=(seconds,))  
 proc.start()  
python multi\_times.py

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

Ans:from datetime import date  
 my\_day = date(1993, 9, 23)  
 print(my\_day)

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

Ans: print(my\_day.weekday())  
print(my\_day.isoweekday())

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

Ans: from datetime import timedelta  
party\_day = my\_day + timedelta(days=10000)  
  
print(party\_day)