Here are the answers and code for your tasks:

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

from datetime import datetime

# Get current date as a string

current\_date = datetime.now().strftime('%Y-%m-%d')

# Write to the file

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

file.write(current\_date)

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

# Read the file into the string today\_string

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

today\_string = file.read()

print(today\_string)

**3. Parse the date from today\_string.**

# Parse the date from the string

parsed\_date = datetime.strptime(today\_string, '%Y-%m-%d')

print(parsed\_date)

**4. List the files in your current directory.**

import os

# List all files in the current directory

current\_directory\_files = os.listdir('.')

print(current\_directory\_files)

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

# List all files in the parent directory

parent\_directory\_files = os.listdir('..')

print(parent\_directory\_files[:5]) # Print at least five files

**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.**

import multiprocessing

import random

import time

from datetime import datetime

def print\_time():

# Wait for a random time between 1 and 5 seconds

wait\_time = random.randint(1, 5)

time.sleep(wait\_time)

# Print the current time

print(f"Process waited {wait\_time} seconds and is exiting at {datetime.now()}")

# Create three processes

if \_\_name\_\_ == '\_\_main\_\_':

processes = []

for \_ in range(3):

process = multiprocessing.Process(target=print\_time)

processes.append(process)

process.start()

# Wait for all processes to finish

for process in processes:

process.join()

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

# Replace with your actual birth date

birth\_date = datetime(1990, 1, 1) # Example: January 1, 1990

print(birth\_date)

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

# Get the day of the week for the birth date

birth\_day\_of\_week = birth\_date.strftime('%A')

print(f"Day of the week for birth: {birth\_day\_of\_week}")

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

from datetime import timedelta

# Calculate when you will be or were 10,000 days old

days\_old\_10000 = birth\_date + timedelta(days=10000)

print(f"You will be 10,000 days old on: {days\_old\_10000.strftime('%Y-%m-%d')}")