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

**Ans. Current\_Date=input("Enter the current date")**

**f=open("today.txt",'a')**

**f.write(Current\_Date)**

**f.close()**

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

**Ans. today\_string = open("today.txt", "r")**

3. Parse the date from today\_string.

**Ans. print(today\_string.read())**

4. List the files in your current directory.

**Ans. import os**

**dir = os.listdir('.')**

**print(dir)**

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//YOG//Downloads//Documents"**

**dir\_list = os.listdir(path)**

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 present(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=present, args=(seconds,))**

**proc.start()**

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

**Ans. import datetime**

**my\_day=datetime.date(1992,1,3)**

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

**Ans. my\_day.weekday())**

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

**Ans. from datetime import timedelta**

**future\_day=my\_day+timedelta(days=10000)**

**future\_day**