

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

```
In [4]: 1 import datetime
        2 from datetime import date
        3 now = date.today()
        4 cur_date = now.isoformat()
        5 cur_date
```

Out[4]: '2023-12-25'

```
In [5]: 1 with open('today.txt','w') as file:
        2     file.write(cur_date)
```

- Read the text file today.txt into the string today_string

```
In [6]: 1 with open('today.txt','r') as file:
        2     today_string = file.read()
        3 today_string
```

Out[6]: '2023-12-25'

- Parse the date from today_string.

```
In [7]: 1 from datetime import datetime
        2 format = '%Y-%m-%d'
        3 datetime.strptime(today_string, format)
```

Out[7]: datetime.datetime(2023, 12, 25, 0, 0)

- List the files in your current directory

```
In [8]: 1 import os
        2 os.listdir()
```

```
Out[8]: ['.ipynb_checkpoints',
'books.csv',
'books.db',
'books1.csv',
'IM.jpg',
'MCA.pdf',
'my_data.bak',
'my_data.dat',
'my_data.dir',
'Python Basics 10.ipynb',
'Python Basics 11.ipynb',
'Python Basics 12.ipynb',
'Python Basics 13.ipynb',
'Python Basics 14.ipynb',
'Python Basics 15.ipynb',
'Python Basics 16.ipynb',
'Python Basics 17.ipynb',
'Python Basics 18.ipynb',
'Python Basics 19.ipynb',
'Python Basics 20.ipynb',
'Python Basics 21.ipynb',
'Python Basics 5.ipynb',
'Python Basics 6.ipynb',
'Python Basics 7.ipynb',
'Python Basics 8.ipynb',
'Python Basics 9.ipynb',
'test.txt',
'today.txt',
'zoo.ipynb',
'zoo.py',
'__pycache__']
```

- Create a date object of your day of birth

```
In [9]: 1 my_dob = date(1999, 11, 10)
        2 my_dob
```

```
Out[9]: datetime.date(1999, 11, 10)
```

- What day of the week was your day of birth?

```
In [10]: 1 my_dob.weekday()
```

```
Out[10]: 2
```

- When will you be (or when were you) 10,000 days old

```
In [12]: 1 from datetime import timedelta
        2 day10000 = my_dob + timedelta(days=10000)
        3 day10000
```

```
Out[12]: datetime.date(2027, 3, 28)
```

In []:	1	
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