

Datetime Module Part 1

March 5, 2023

```
[1]: import datetime
```

```
[2]: datetime.datetime.now()
```

```
[2]: datetime.datetime(2023, 3, 5, 23, 9, 24, 39676)
```

```
[3]: print(datetime.datetime.now())
```

2023-03-05 23:09:24.073666

```
[4]: str(datetime.datetime.now())
```

```
[4]: '2023-03-05 23:09:24.103655'
```

```
[5]: dt = datetime.datetime.now()
```

```
[6]: dt = datetime.datetime.now()

print('Year:', dt.year)
print('Month:', dt.month)
print('Day:', dt.day)

print('Hour:', dt.hour)
print('Minutes:', dt.minute)
print('Seconds:', dt.second)
print('Microseconds:', dt.microsecond)

print(dt)
str(dt)
```

Year: 2023

Month: 3

Day: 5

Hour: 23

Minutes: 9

Seconds: 24

Microseconds: 153639

2023-03-05 23:09:24.153639

```
[6]: '2023-03-05 23:09:24.153639'
```

```
[7]: dt.date()
```

```
[7]: datetime.date(2023, 3, 5)
```

```
[8]: import time
```

```
[9]: # 1 Jan 1970 <-- Unix epoch timestamp
```

```
[10]: time.time()
```

```
[10]: 1678037964.246609
```

```
[11]: datetime.datetime.fromtimestamp(0)

print(datetime.datetime.fromtimestamp(24*60*60))
```

```
1970-01-02 05:30:00
```

```
[12]: datetime.datetime.fromtimestamp(time.time())
```

```
[12]: datetime.datetime(2023, 3, 5, 23, 9, 24, 290595)
```

```
[13]: datetime.datetime.fromtimestamp(1_600_000_000)
```

```
[13]: datetime.datetime(2020, 9, 13, 17, 56, 40)
```

```
[14]: datetime.datetime(2021, 8, 9)
```

```
[14]: datetime.datetime(2021, 8, 9, 0, 0)
```

```
[15]: print(datetime.datetime(2021, 8, 9, 16, 20, 10))
```

```
2021-08-09 16:20:10
```

```
[16]: republic_day_2023 = datetime.datetime(2023, 1, 26)
independence_day_2023 = datetime.datetime(2023, 8, 15)
```

```
[17]: republic_day_2023
```

```
[17]: datetime.datetime(2023, 1, 26, 0, 0)
```

```
[18]: independence_day_2023
```

```
[18]: datetime.datetime(2023, 8, 15, 0, 0)
```

```
[19]: republic_day_2023 > independence_day_2023
```

[19]: False

```
[20]: republic_day_2023 == independence_day_2023
```

[20]: False

```
[21]: republic_day_2023 < independence_day_2023
```

[21]: True

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