

Datetime Module

```
1 from datetime import date, datetime
2 now = datetime.now()
```

```
1 day_name1, day_name2, day_name3 = now.strftime('%a'), now.strftime('%A'), now.strftime('%w')
2 print(f'Weekday short version is {day_name1}.\nWeekday full version is {day_name2}.\nWeekday as a number 0-6, 0 is Sunday')
```

```
Weekday short version is Sun.
Weekday full version is Sunday.
Weekday as a number 0-6, 0 is Sunday. 0.
```

```
1 day_num1, day_num2 = now.strftime('%d'), now.strftime('%j')
2 print(f'Day of month is {day_num1}.\nDay number of year {day_num2}.')
```

```
Day of month is 22.
Day number of year 022.
```

```
1 mon1, mon2, mon3 = now.strftime('%b'), now.strftime('%B'), now.strftime('%m')
2 print(f'Month short is {mon1}.\nMonth full version is {mon2}.\nmonth as number is {mon3}.')
```

```
📄 Month short is Jan.
Month full version is January.
month as number is 01.
```

```
1 century, year1, year2 = now.strftime('%C'), now.strftime('%y'), now.strftime('%Y')
2 print(f'Century is {century}.\nyear in short version {year1}.\nyear in full version {year2}.')
```

```
Century is 20.
year in short version 23.
year in full version 2023.
```

```
1 hour1, hour2, ampm = now.strftime('%H'), now.strftime('%I').zfill(2), now.strftime('%p')
2 print(f'Hour in 24 hour format is {hour1}.\nhour in 12 hour format is {hour2}.\ntime period is {ampm}.')
```

```
Hour in 24 hour format is 10.
hour in 12 hour format is 10.
time period is AM.
```

```
1 min = now.strftime('%M').zfill(2)
2 print(f'Minutes is {min}.')
```

```
Minutes is 29.
```

```
1 sec = now.strftime('%S').zfill(2)
2 print(f'Seconds is {sec}.')
```

```
Seconds is 29.
```

```
1 msec = now.strftime('%f').zfill(2)
2 print(f'Millisecond is {msec}.')
```

```
Millisecond is 756645.
```

```
1 dtm, dt, tm = now.strftime('%c'), now.strftime('%x'), now.strftime('%X')
2 print(f'local version of data and time is {dtm}.\nlocal version of date is {dt}.\nlocal version of time is {tm}.')
```

```
local version of data and time is Sun Jan 22 10:29:29 2023.
local version of date is 01/22/23.
local version of time is 10:29:29.
```