



DATES

Time is difficult in programming. What is time anyways? Does it even exist?



MODULES: DATETIME

- »» The `datetime` module in Python is part of the standard library and provides classes and functions for working with dates and times.
- »» It is a powerful module for handling various aspects of date and time representation, manipulation, and formatting.
- »» **In the project work, you need to deal with dates and learning this module is important!**
- »» Dates are difficult to deal with, but using datetime things get easier



DATE CLASS

- »» Represents a date (year, month, and day)
- »» Allows for date arithmetic and **comparison**

```
>>> from datetime import date
```

```
>>> today = date.today()
```

```
>>> print(today)
```

```
2023-10-30
```

```
>>> yesterday = date(2023, 10, 29)
```

```
>>> print(yesterday)
```

```
2023-10-29
```



TIMEDELTA CLASS

- » Represents a duration or time interval.
- » Useful for performing arithmetic operations with dates and times.

```
from datetime import timedelta, date  
today = date.today()  
time_difference = timedelta(days=7)  
future_date = today + time_difference  
print(future_date)
```