- Python standard library contains a huge bulk of pre-built features or modules which we can easily incorporate into our real world projects
- In a raw string, a back slash is not considered as an escape character
- Path class is the foundation for working with paths and directories

```python
from pathlib import Path

path = Path("ecommerce/__init__.py")
path.exists()
path.is_file()
path.is_dir()
print(path.name)
print(path.stem)
print(path.suffix)
print(path.parent)
path = path.with_suffix(".txt")
print(path)
```

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- Posix Path (for debian based OS including MacOS) & Windows Path

```python
from pathlib import Path

path = Path("ecommerce")
# path.exists()
# path.mkdir()
# path.rmdir()
# path.rename("ecommerce2")

paths = [p for p in path.iterdir() if p.is_dir()]
py_files = [p for p in path.glob("*.py")]
print(py_files)
```

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- UNIX Epoch time refers to the start of timeon a computer, on unix based platforms it's Jan,1, 1970
- We have time library for time related things, pathlib for paths etc
- We have shutil for high level operations such as copying and moving files and folders in easy way
- Open method for reading/writing a file is deprecated, the best practice is to use the path.read() method, because in this case we don't have the worries of closing the files using with or manually
- CSV, a comma separated file is simplified spreadsheet file stored as plain text
- We use csv module for working with CSV file, the possibilities are endless!
- JSON ➜ JavaScriptObjectNotation is a human readable data format, trending tech
- JSON files are actually "An Array of Dictionaries"
- SQLite is a very light weight database we use for small-medium sized apps
- We have Time, DateTime & TimeDelta➜Durations | for time chores
- Random library is useful in guesses etc , possibilities are endless!
- Webbrowser library is used for opening web browser
- In real world scenarios, companies have email templates for various purposes

- Email.MIME.mulitpart,image,text for several ways of emails
- We have smtplib for smtp servers connection for sending emails
- Sys.argv are used for command line arguments
- Subprocess module is used to explore and run other programs and processes