

Most popular Python Frameworks & Tools

Python is an interpreted, high-level, general-purpose programming language.

Python Frameworks

Python frameworks are the foundations for programming on which developers can build applications for a specific platform. They can include:

Classes
Functions
APIs

Libraries
Compilers
Other programs

60% of Python users choose it for both professional and personal projects

Most widely used tools and features in Python development

1 Version control systems 88%

2 Code autocompletion 87%

3 Code refactoring 86%

Testing frameworks

pytest (46%) is the leading Python testing framework followed by unittest (32%)

Web frameworks

Flask (47%) and Django (45%) are the most popular Python web frameworks. Tornado (6%), web2py (6%) and Bottle (4%) complete the top 5

Databases

PostgreSQL (44%), MySQL (41%), and SQLite (41%) are the top databases choices. MongoDB (20%) and Redis (19%) complete the top 5.

ORMs

QLAlchemy (34%) and Django ORM (33%) are by far the most popular ORMs. Almost half of Python developers don't use ORM

General frameworks and libraries

Requests (53%) is the most widely used general Python library. Other popular options include Pillow (29%) for managing image file formats, and Scrapy (19%) for general web crawling

Data Analysis frameworks and libraries

NumPy (62%) is the most widely used Python data science framework. Pandas (51%), Matplotlib (46%), SciPy (38%) and Sci-Kit Learn (31%) complete the top 5.

Editors & IDEs

PyCharm Professional Edition (20%) is the most popular tool for Python development, especially for web. VS Code (16%) and PyCharm Community Edition (15%) follow.

Sources

- <https://www.jetbrains.com/idea/devecosystem-2019/python/>
- <https://www.jetbrains.com/research/python-developers-survey-2018/#development-tools>
- <https://stackify.com/python-frameworks/>

- <https://pythontips.com/2018/06/03/top-14-most-famous-python-libraries-frameworks/>
- <https://hackernoon.com/5-top-python-frameworks-in-2019-ddad74323e5>
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