

Python vs. Java

Parameter	Python	Java
Code	Python has less lines of code.	Java has longer lines of code.
Framework	Compare to JAVA, Python has lower number of Frameworks. Popular ones are Django, Flask.	Java has large number of Frameworks. Popular ones are Spring, Hibernate, etc.
Syntax	Syntax is easy to remember almost similar to human language.	Syntax is complex as it throws error if you miss semicolon or curly braces.
Key Features	Less line no of code, Rapid deployment and dynamic typing.	Self memory management, Robust, Platform independent
Speed	Python is slower since it uses interpreter and also determines the data type at run time.	Java is faster in speed as compared to python.
Databases	Python's database access layers are weaker than Java's JDBC. This is why it rarely used in enterprises.	(JDBC)Java Database Connectivity is most popular and widely used to connect with database.
Machine Learning Libraries	Tensorflow, Pytorch.	Weka, Mallet, Deeplearning4j, MOA
Practical Agility	Python has always had a presence in the agile space and has grown in popularity for many reasons, including the	Java enjoys more consistent refactoring support than Python thanks on one hand to its static type system which makes automated refactored more predictable and

	rise of the DevOps movement.	reliable, and on the other to the prevalence of IDEs in Java development .
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