



Java



VS



Python



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- Java is a Compiled Language
- Java is statically typed



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- Python is an Interpreted Language.
 - Python is dynamically typed.



- Complex learning curve.
- Multiple inheritances is partially done through interfaces.



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- Easy to learn and use.
 - It offers both single and multiple inheritances.



- It uses curly braces to define the beginning and end of each function and class definition.
- Java program runs slowly compared to Python.



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- Python uses indentation to separate code into code blocks.
 - Python programs run faster than Java.



Any computer or mobile device which is able to run the Java virtual machine can run a Java application



Python programs need an interpreter installed on the target machine to translate Python code. Compared to Java, Python is less portable.



- Great libraries
- Widely used
- Excellent tooling
- Huge amount of documentation available.



- Readable code
- Rapid development
- Beautiful code



Java is best for Desktop GUI apps, Embed Systems, Web application services, etc.



Python is excellent for scientific and numeric computing, Machine learning apps, more.



Backend Frameworks

Spring, Blade

Machine Learning Libraries

Weka, Mallet, Deeplearning4j, MOA.



Backend Frameworks

Django, Flask.

Machine Learning Libraries

Tensorflow. Pytorch.

