

Python Introduction

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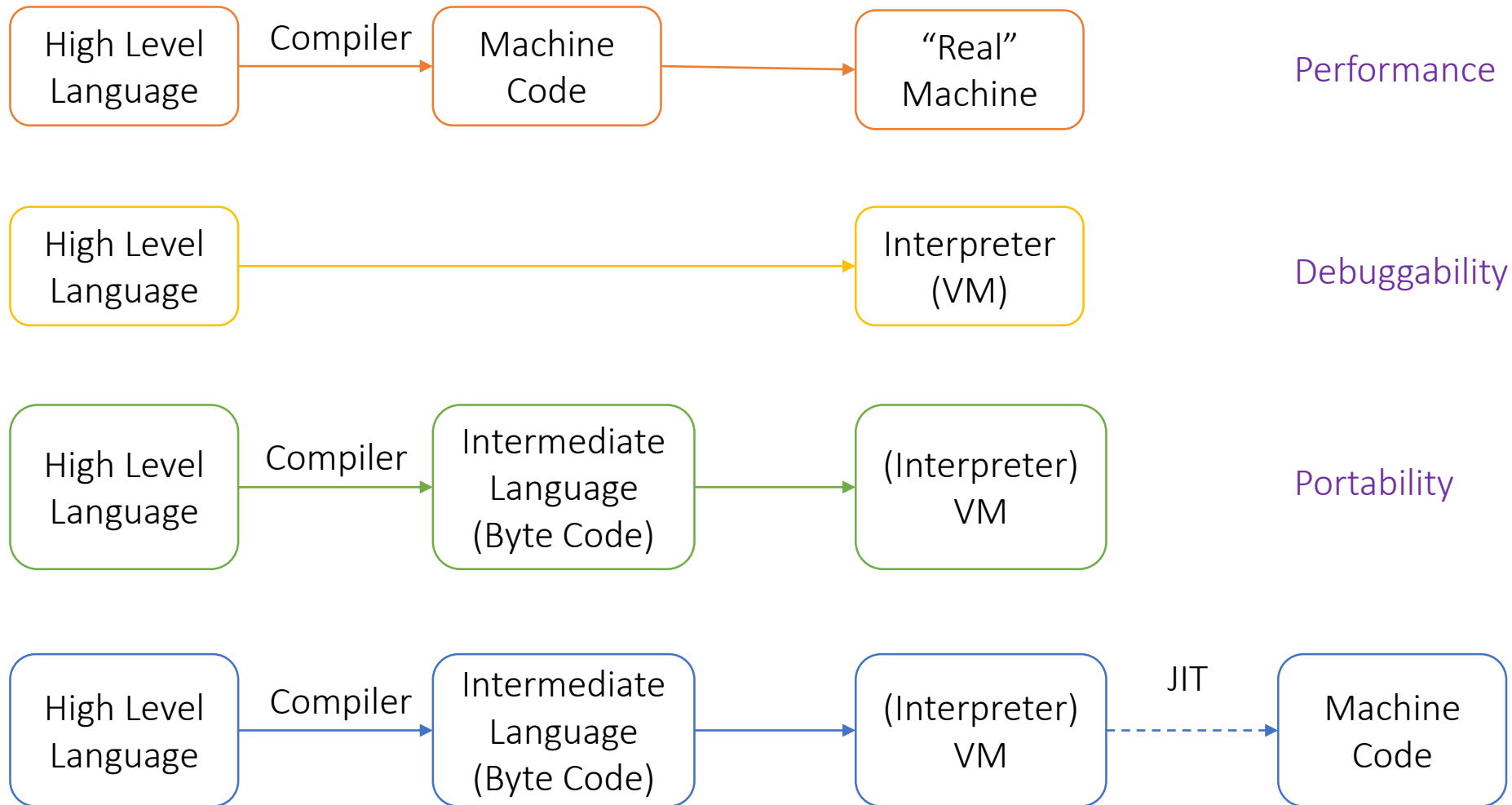
Python Origins

- Named after the show “Monty Python’s Flying Circus”
- Originally created by Guido van Rossum as a hobby
- Now supported by the open source community
- van Rossum continues as "Benevolent Dictator For Life”, overseeing the development process, and making decisions where necessary
- Van Rossum went on to work for Google and is now at Dropbox



https://en.wikipedia.org/wiki/Monty_Python

Review: Program Execution Paradigms



Python: Language vs Implementation

*Programming
Language*

Implementation

Execution

CPython or 'Python'
(C)

Python
Source Code

*CPython
Compiler*

Bytecode
(.pyc*)

CPython VM

**typically seen under _pycache_ dir
when you import modules*

IronPython
(C#)

Python
Source Code

*IronPython
Compiler*

Bytecode

CLR VM

Jython
(Java)

Python
Source Code

*Jython
Compiler*

Bytecode

JVM

Python

...

Type following on Python Console:

```
In [12]: import platform
```

```
In [13]: platform.python_implementation()
```

```
Out[13]: 'CPython'
```

Python coding best practices

- The Zen of Python:

<https://www.python.org/dev/peps/pep-0020/>

- Style Guide for Python Code:

<https://www.python.org/dev/peps/pep-0008/>