Benjamin Hanim January 14, 2024

**Python vs Java vs JavaScript Cold/Warm Start Durations:**

Python Code:

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

JavaScript Code:

A screenshot of a computer program

Description automatically generated

A screenshot of a computer code

Description automatically generated

Java Code:

A screenshot of a computer program

Description automatically generated

A screenshot of a computer code

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

Python Cold Start:

A screenshot of a computer

Description automatically generated

JavaScript Cold Start:

A screenshot of a computer

Description automatically generated

Java Cold Start:

A screenshot of a computer

Description automatically generated

**Initialization Durations**

Python: 71.48 ms JavaScript: 141.10 ms Java: 435.78 ms

**Execution Durations**

Python: 101.69 ms JavaScript: 58.34 ms Java: 17.01 ms

Python Warm Start:

A screenshot of a computer

Description automatically generated

JavaScript Warm Start:

A screenshot of a computer

Description automatically generated

Java Warm Start:

A screenshot of a computer

Description automatically generated

**Execution Durations**

Python: 86.68 ms JavaScript: 1.36 ms Java: 1.23 ms