Java Introduction

"White Paper" Buzzwords

1. Simple

   => Clean syntax

2. Object-Oriented

   => everything is treated as an object (primitive vs reference data type)

3. Network-Savvy

   => extensive network library

4. Robust

   => garbage collector to handle memory, no pointers

5. Secure

"White Paper" Buzzwords (cont'd)

6. Architecture-Neutral

   => Java Virtual Machine

7. Portable

   => No dependencies (e.g. int is always 32 bits)

8. Interpreted

9. High-Performance

   => just-in-time compiler

"White Paper" Buzzwords (cont'd)

6. Multithreaded

   $\Rightarrow$ Program vs Process

   $\Rightarrow$ Process vs multithreads

7. Dynamic

   => Allows for changes at runtime