




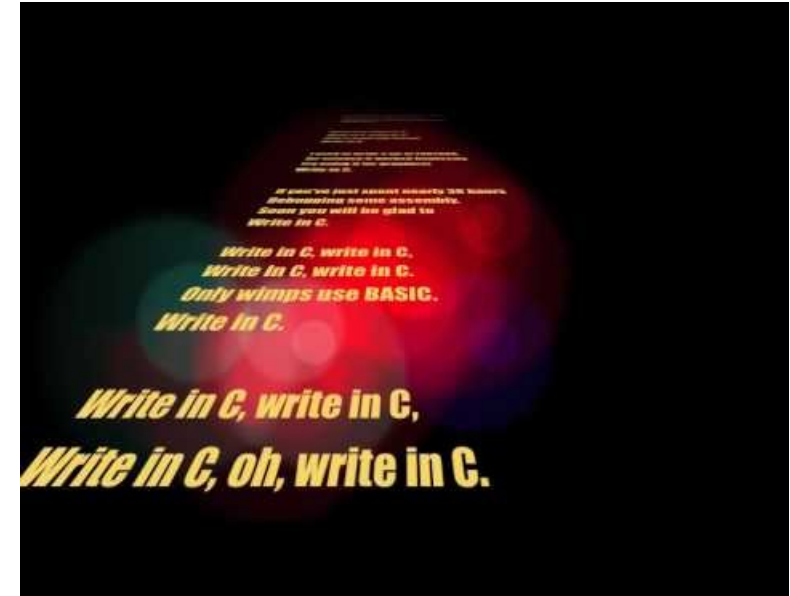
Objective

- Give an overview of programming and the C programming language.



Why C?!

- Old (and...?)
- Hard
 - Manual memory mgmt
 - Pointers 
 - Subtle bugs
 - Stack, int overflow, out of bounds, NUL-terminated strings, implicit conversions, dangling pointers, and !many! others...
 - Low-level = super insecure
- No modularity (namespaces...)
- Super basic



<https://youtu.be/1S1fISh-pag>



Why learn C

- Popularity [see next 2 slides]
- Low level (hm? wasn't this bad just now?)
 - Learn concepts that other languages hide
- Portability
- Lean, mean, fast
- Many more years of C left

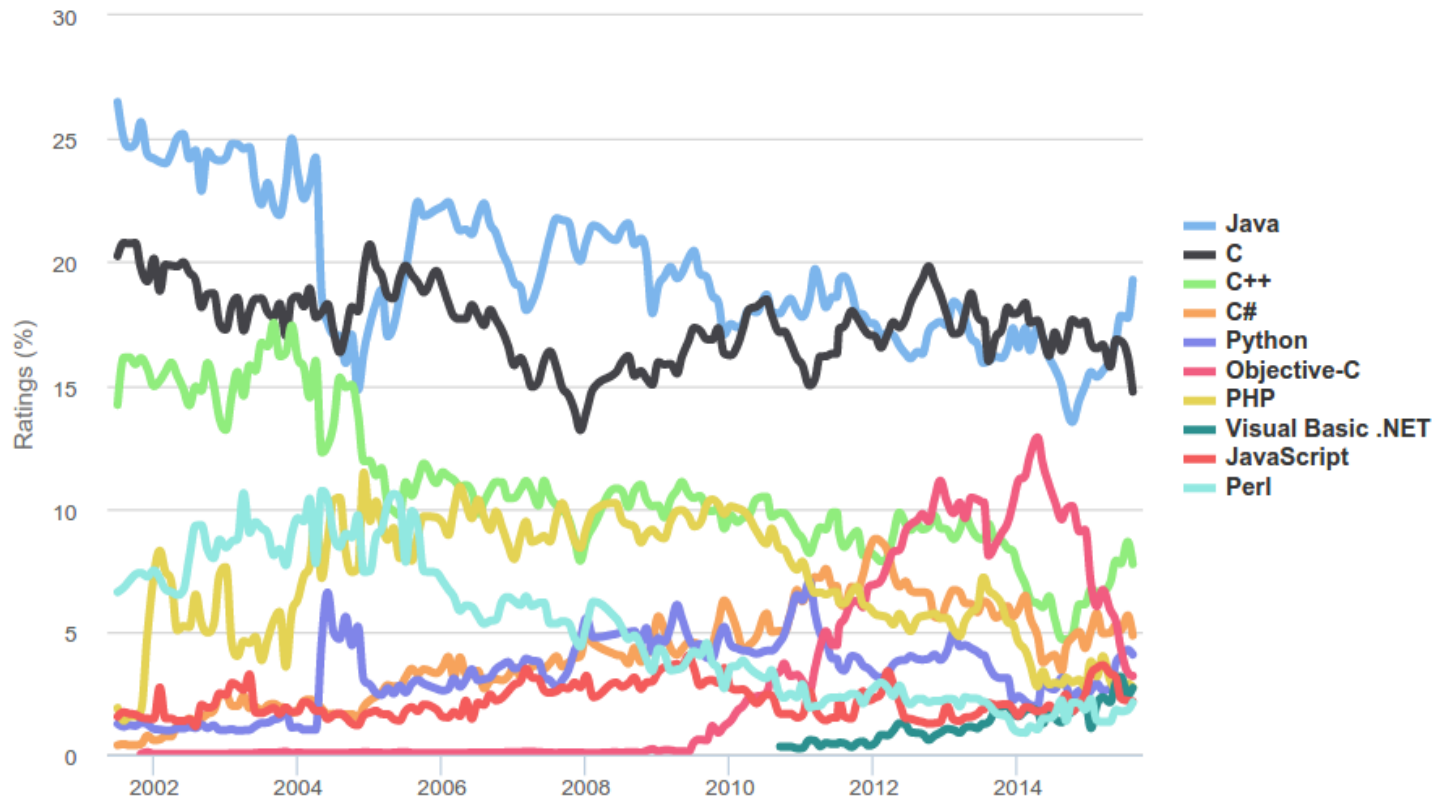
And yet all this, even C, is
secondary...



The Ranking of C [handle with care]

TIOBE Programming Community Index

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<http://www.tiobe.com/index.php/content/paperinfo/tpci/index.html>

