Programming in C

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University of Bristol

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Hello World!

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About the Course

These course notes were originally based on:

C By Dissection (3rd edition)
Al Kelley and Ira Pohl

because I liked arrays being taught late(r). I've since changed my mind a little & have re-jigged the notes quite heavily for this year.

Resources

- Free : `https://en.wikibooks.org/wiki/C_Programming`

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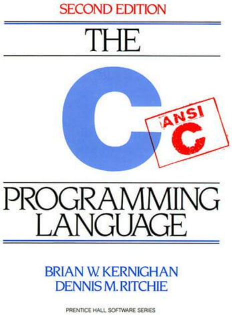
- Whatever you use, make sure it's **ANSI C** or **C99** that's being taught, not something else e.g. C11 or C++.
- If you fall in love with C and know you're going to use it for the rest of your life, the reference 'bible' is K&R 2nd edition. It's not a textbook for those new to programming, though.



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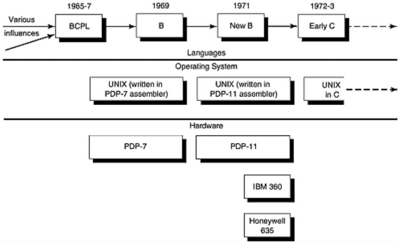
- Don't place your code on publicly accessible sites e.g. github - other students may have extensions etc.

History of C



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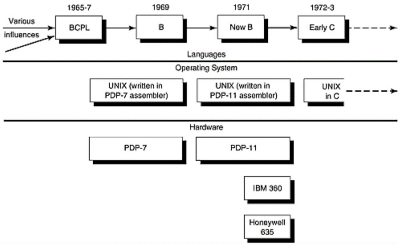

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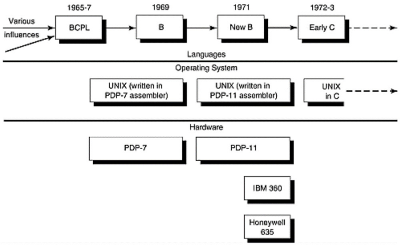

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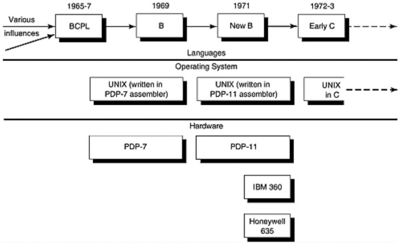

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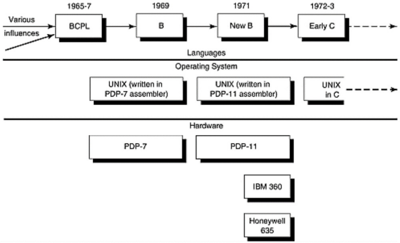

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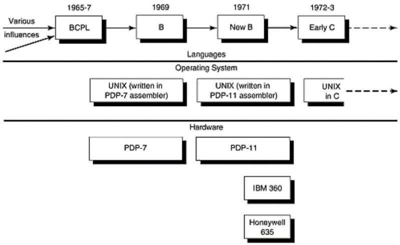

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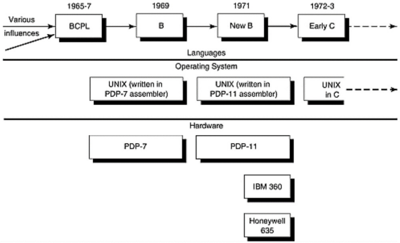

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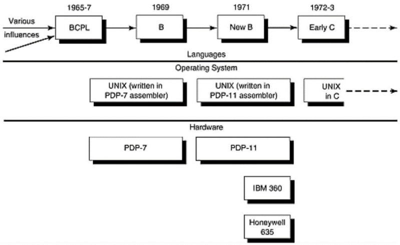

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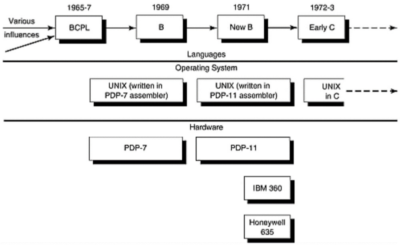

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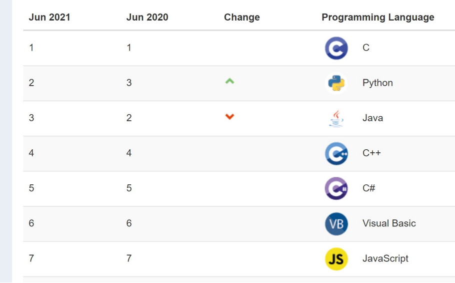
- C++ - Object Oriented Programming (OOP)
- Java (Subset of C++, WWW enabled).

Why C ?



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2	3	▲	Python
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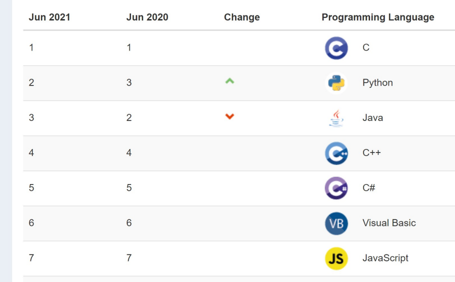

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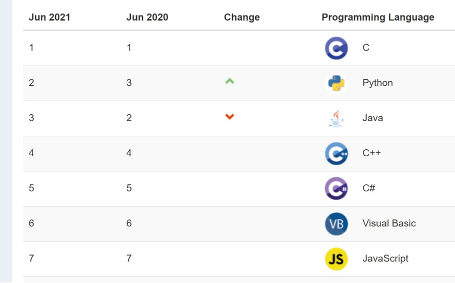

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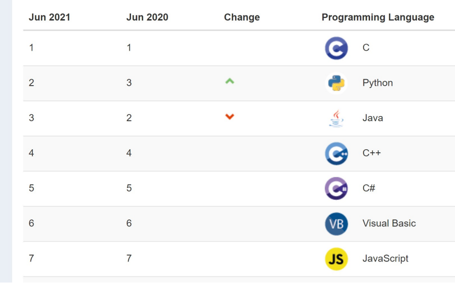

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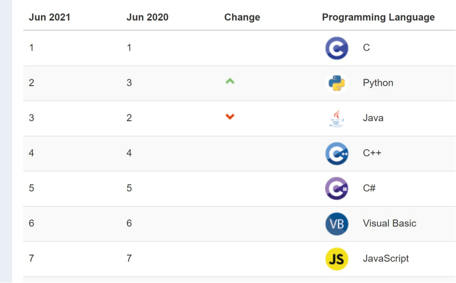

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- Fast ?
- Large parts common to Java

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- Programming (C), data structures, algorithms - searching, sorting, string processing, trees etc.

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- Hard to gauge timings, so don't make any plans in advance - I'll change it if we're going too fast.

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