

1 Historical Perspective

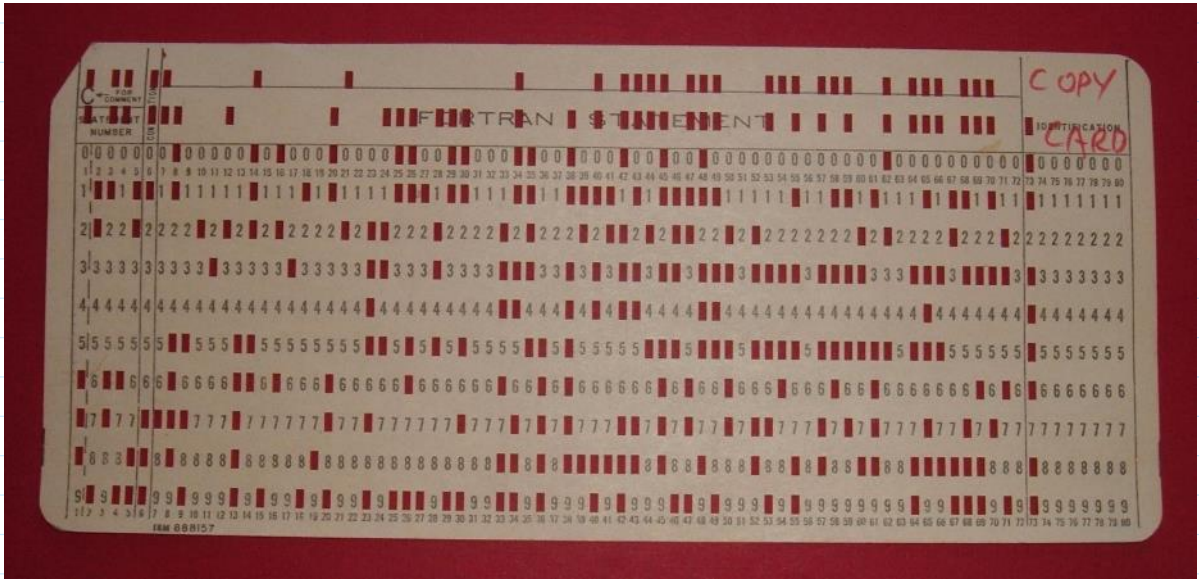
Friday, January 19, 2024 12:05 PM

Why Programming Languages?

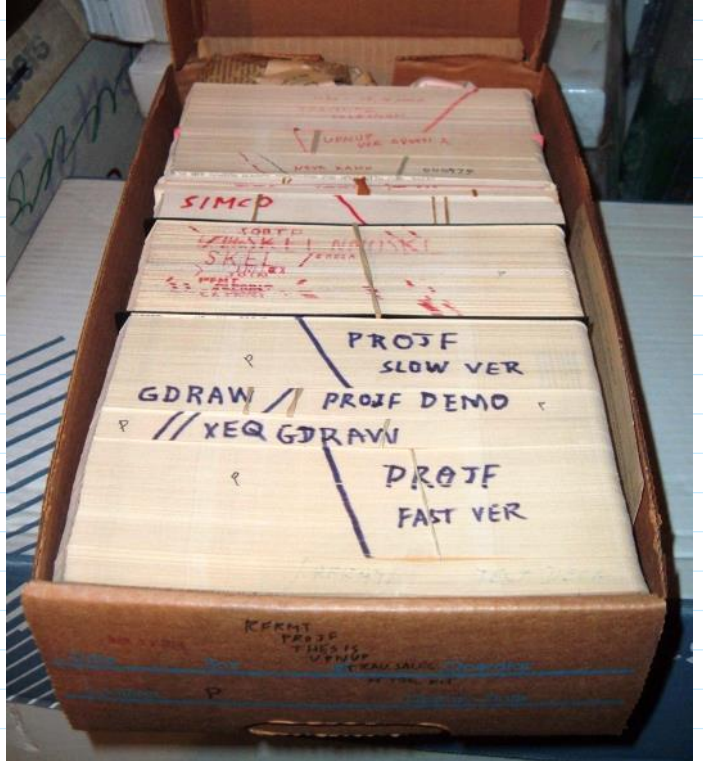
Machines were big, Problems small



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01010100 01101000 01101001 01110011
00100000 01101001 01110011 00100000
01110100 01101000 01100101 00100000
01110100 01110101 01110100 01101111
01110010 01101001 01100001 01101100
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00101110 00100000 01001001 00100000
01101000 01101111 01110000 01100101
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01101111 01111001 00100000 01101001
01110100 00100001
```



ComputersHope.com



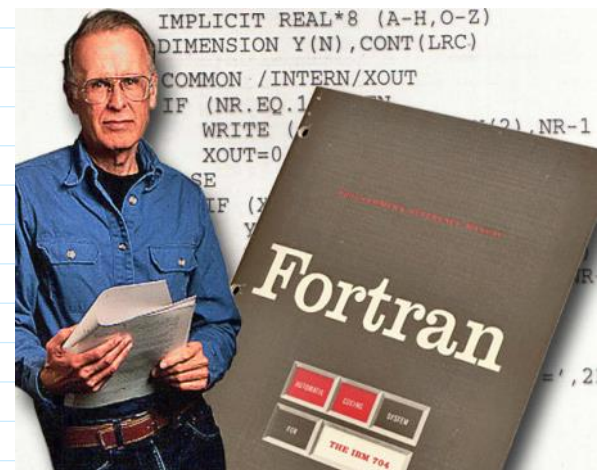


- '53 John Backus IBM:

Automated translator.
- "Make programmes more productive"
- "Eliminate bugs"
- "I will take six months"

'59 IBM Fortran

FORTRAN = FORMula TRANslator.



- '60

Algol-60

Description is in "Backus-Naur-Form"

- '60

Algol-60 Description is in "Backus-Naur-Form"

COBOL ADD A TO B PRODUCING C

IBM PL/1

Algol-68

- Functional Programming
LISP John McCarthy

Algol-W N. Wirth.

- '70

Cont.....