

# CSE 1201: Fundamentals of Programming

## Lecture 1

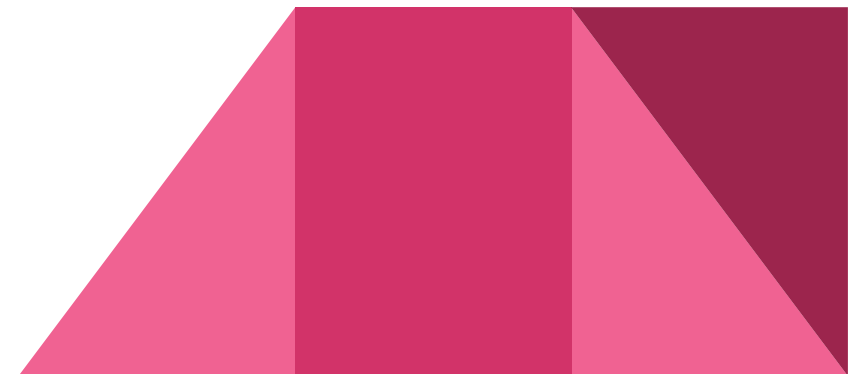
# Course Outline

- Course Teacher:

**Md. Fahim Arefin**

**Lecturer, CSE, DU**

- Contact : [fahim@cse.du.ac.bd](mailto:fahim@cse.du.ac.bd)
- Class Hours : **Sunday, Tuesday 11.10am-12.30pm**
- Credit: **3**
- Google Classroom Code : [wjabogf](#)



# Marks Distribution

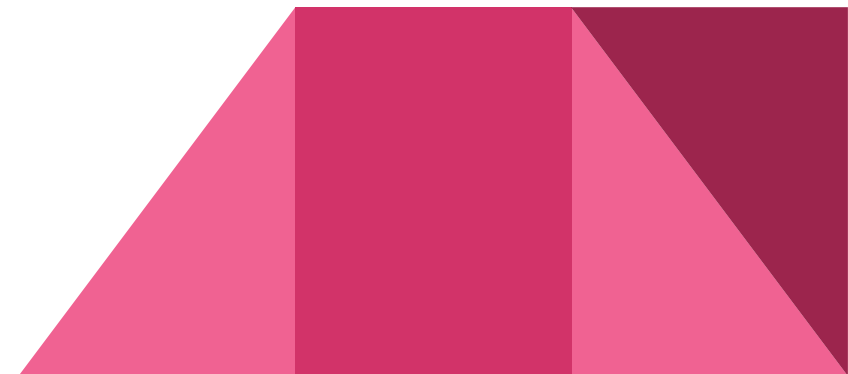
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In Course	25
Attendance	05
Final Exam	70

# Syllabus

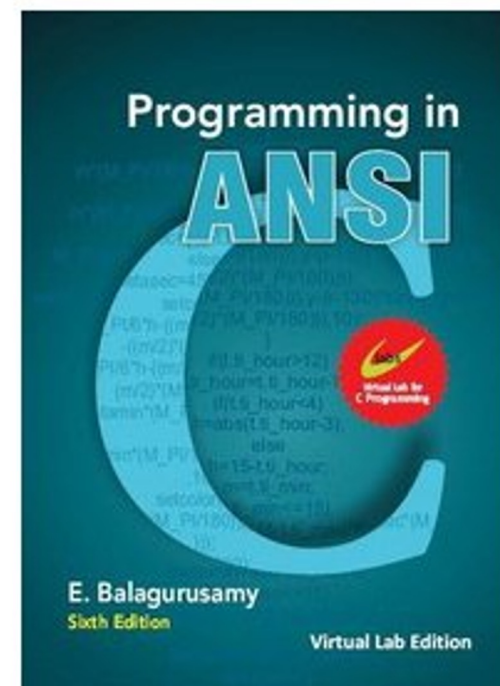
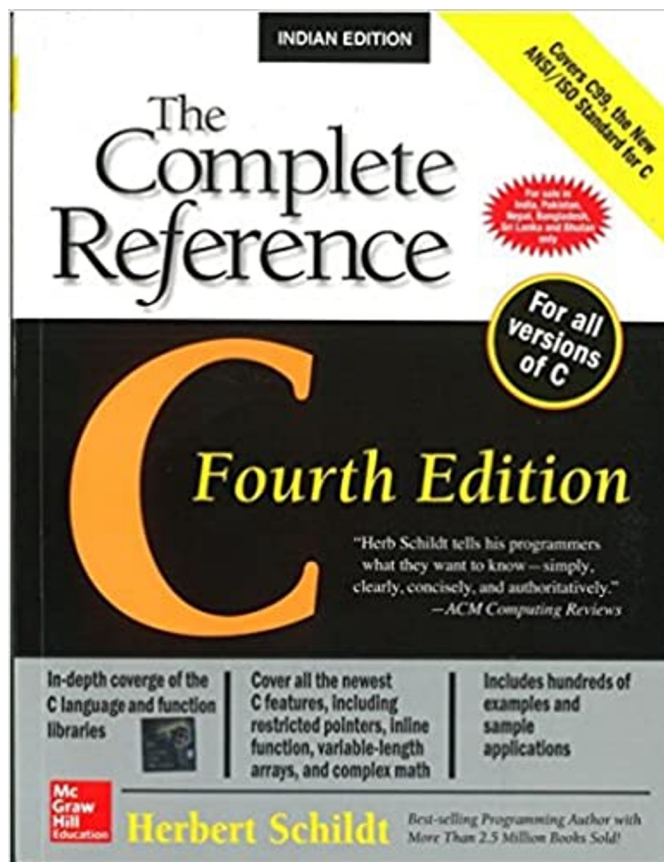
- constant, variable and data types,
- operator and expression, type conversion,
- decision making, branching and looping,
- arrays and strings,
- user defined functions,
- structures and union, bit field and bit-wise operations,
- pointer,
- file management in C,
- dynamic memory allocation and linked list

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# Text Book

- Text:
  - C The complete Reference (4th Edition) – Herbert Schildt
- Reference Text:
  - Programming in ANSI C – Balagurusamy (6<sup>th</sup> Edition)

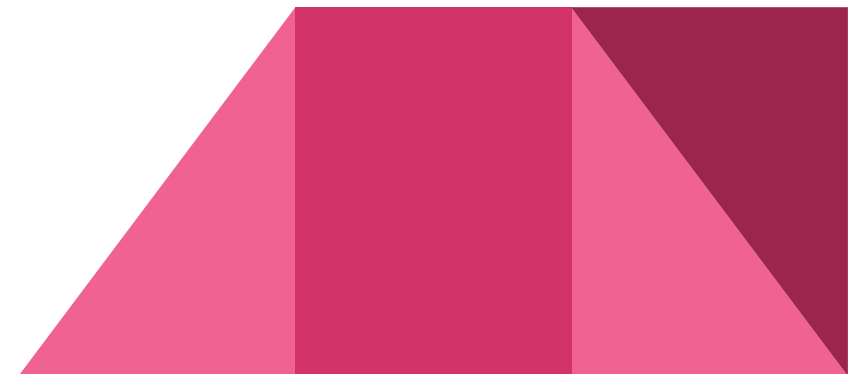


# Learning Style

- This course is practical oriented (and not a theoretical course).
- Three key techniques to perform better in this course:

**I ) Practice,  
II ) Practice  
and III ) Practice**

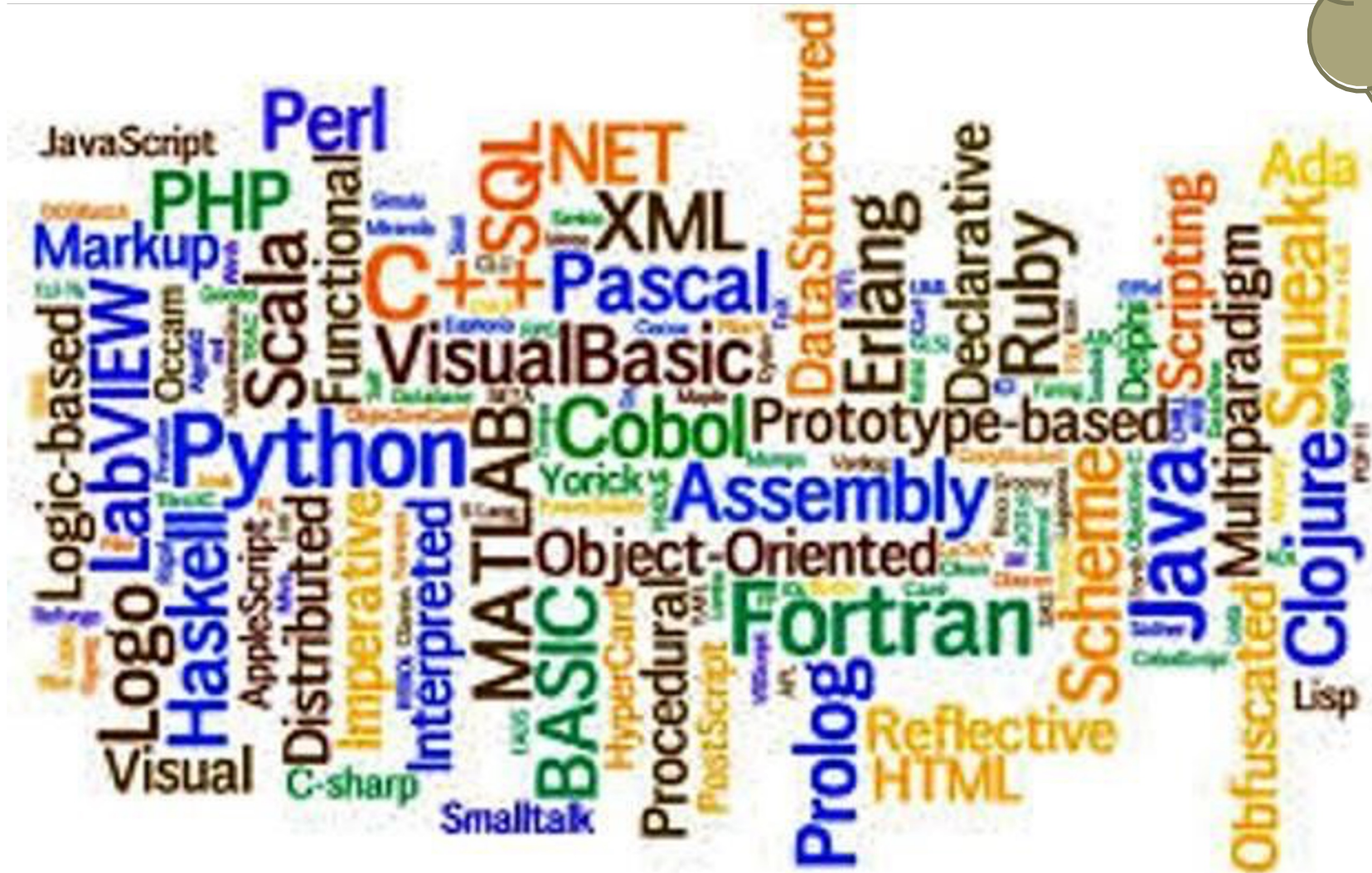
- (because practice makes a man perfect !)
- Memorization will not help you to get a good result.
- Copying Code:
  - Strictly prohibited.
  - Will be severely punished if you are caught.





# Which programming language?

What the hell!





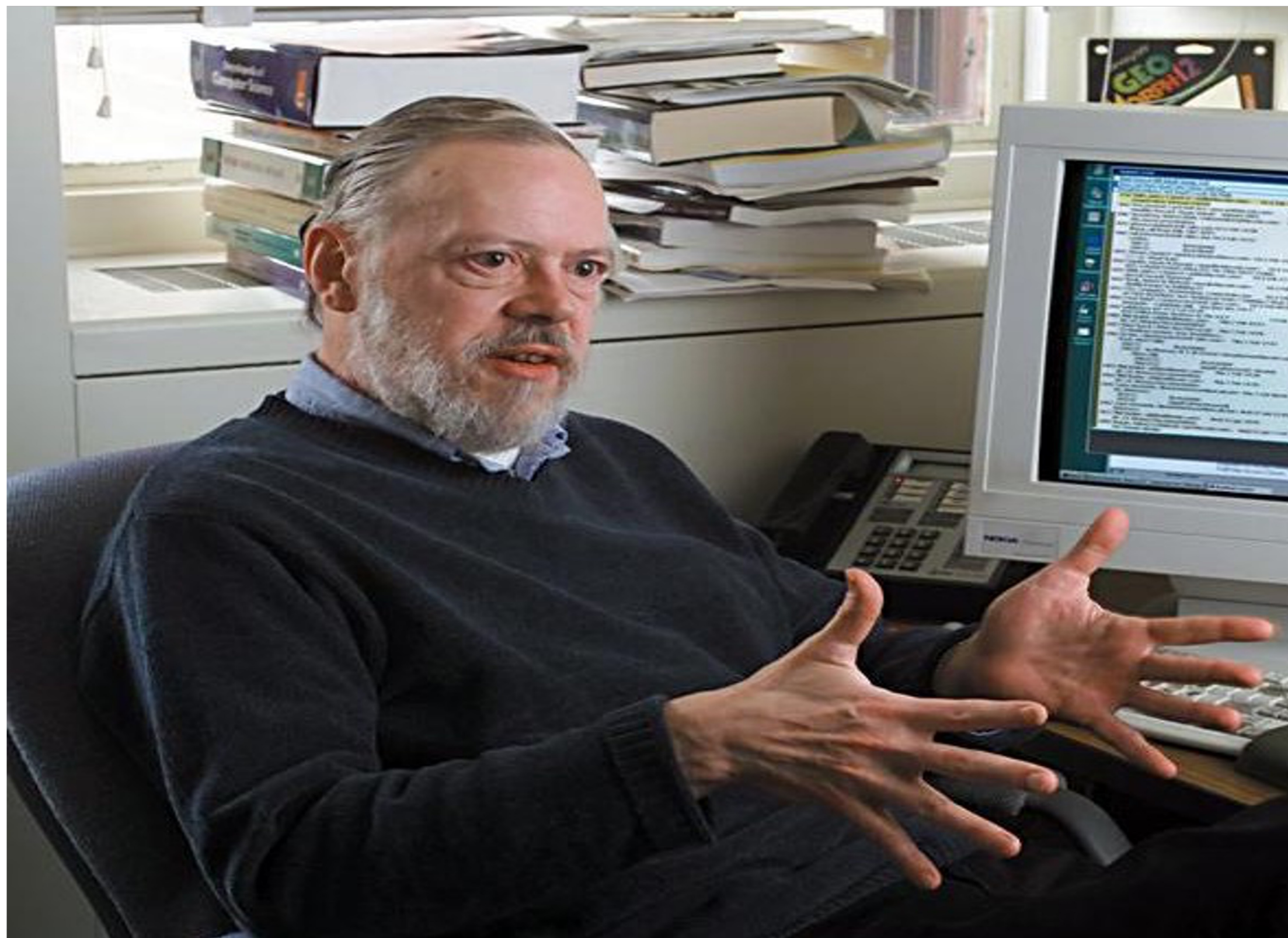


Getty Images









# C Brief History

- Developed by Dennis Ritchie at AT&T, early 70s
- Unix written in, closely associated with, C
- Family of languages:
  - Fortran, IBM, 1957
  - LISP, John McCarthy, Stanford, 1958
  - Algo, 1958
  - COBOL, Business language, 1959
  - Pascal, Niklaus Wirth 1968
  - BCPL, Martin Richards , 1970
  - B (typeless), Ken Thompson, 1970
  - C, Dennis Ritchie, Bell Labs, early 1972
  - C++, Bjarne Stroustrup, Bell Labs, 80s (First official version in 93)
  - Java, James Gosling Sun, 1995
  - C#, Microsoft, recently
- C++, Java, C# conserve (much) C syntax

