



* Bjarne Stroustrup (Denmark)
C + SIMULA = C++ RUST

C
C++
Compiled
pointers

Java
Python

Both Interpreted & Compiled

1991 → Guido van Rossum
⇒ Monty Python → Python
Flying Circus

☉ Bean
Coffee Beans → Bean
1995 → James Gosling
Sun Microsystems
(Oracle)
C + C++ = Java

Data Types in C :-

Primary

Integer

Short int long
-128 to 127 4b 8b

Floating
float double
4b 8b

Character
1b 'a', 'b', 'A', 'P'

Void
void

INT-MIN
INT-MAX
2³¹-1

Enumeration

"enum"

Named Constants

{ mon - sun
jan - dec
r, b, g, y
H, L, M
default - int
4 bytes

Derived

Array
Strings
Struct
Union
Pointers