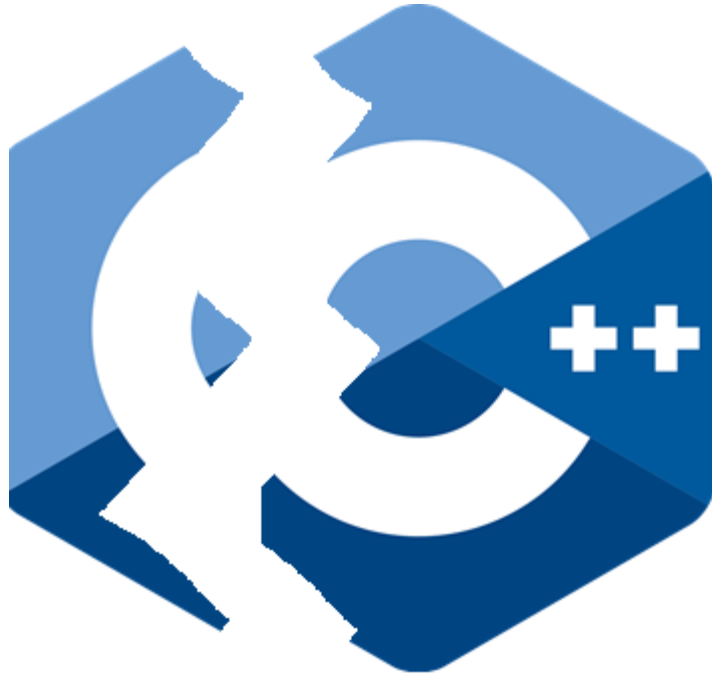


C++ is NOT a hammer



When to C++?

- Performance, Performance, Performance
- Embedded/Dedicated/Limited hardware
- Core Library/Algorithm/Language/OS development
- Cross platform (to some level...)
- Obsession?
- ?

When not to C++

- Performance can be a bit compromised
 - Productivity is more important than execution speed
 - Advanced hardware can be used
- Hardware is “standard”
- “Scripting-like” tasks
- IO bound applications
- UI
- Existing Libraries Usage
- Dedicated domain – i.e. WEB
- ?

Worldwide, May 2019 compared to a year ago:

Rank	Change	Language	Share	Trend
1		Python	27.34 %	+4.5 %
2		Java	20.25 %	-2.1 %
3		Javascript	8.51 %	-0.0 %
4	↑	C#	7.38 %	-0.5 %
5	↓	PHP	7.34 %	-0.9 %
6		C/C++	6.01 %	-0.3 %
7		R	4.16 %	-0.1 %
8		Objective-C	2.91 %	-0.6 %
9		Swift	2.5 %	-0.3 %
10		Matlab	2.03 %	-0.3 %
11	↑	TypeScript	1.61 %	+0.1 %
12	↓	Ruby	1.4 %	-0.3 %
13		VBA	1.38 %	-0.0 %
14	↑↑↑	Go	1.22 %	+0.4 %
15	↑	Kotlin	1.2 %	+0.3 %
16	↓	Scala	1.17 %	-0.0 %
17	↓↓↓	Visual Basic	1.09 %	-0.2 %
18	↑↑	Rust	0.63 %	+0.3 %
19	↓	Perl	0.61 %	-0.1 %



Programming Language is (just) a **TOOL**
Chose the (best) matching tool for the job!

