The Top 10 Most Used High Level Programming Languages World Wide

According to the most recognizable studies and indexes, the following table shows the ranking of the most important high level programming languages recently:

#	Language	Tiobe Index		in-Demand		Pull Requests		IEEE Index		Totals	Ave.
1	Java	13.27%	22.48%	26,269	21.77%	986,000	12.33%	100	11.44%	**68.01%**	**17.00%**
2	Java Script	2.47%	4.18%	24,248	20.09%	2,300,000	28.76%	84.3	9.64%	**62.67%**	**15.67%**
3	Python	3.78%	6.40%	11,757	9.74%	1,000,000	12.50%	93.4	10.68%	**39.33%**	**9.83%**
4	C	10.16%	17.21%	8,111	6.72%	239,000	2.99%	99.2	11.34%	**38.26%**	**9.57%**
5	C++	4.72%	7.99%	8,584	7.11%	413,000	5.16%	95.5	10.92%	**31.19%**	**7.80%**
6	C#	2.82%	4.78%	13,523	11.20%	326,000	4.08%	92.2	10.54%	**30.60%**	**7.65%**
7	Ruby	1.42%	2.41%	4,417	3.66%	870,000	10.88%	78.6	8.99%	**25.93%**	**6.48%**
8	PHP	1.59%	2.69%	4,971	4.12%	559,000	6.99%	84.6	9.68%	**23.48%**	**5.87%**
9	R	1.91%	3.24%	1,599	1.32%			74	8.46%	**13.02%**	**3.26%**
10	MATLAB	1.57%	2.66%	789	0.65%			72.6	8.30%	**11.62%**	**2.90%**
11	Go	1.39%	2.35%	4,038	3.35%	285,000	3.56%			**9.26%**	**2.32%**
12	Swift	1.57%	2.66%	1,510	1.25%	107,000	1.34%			**5.25%**	**1.31%**
13	Perl	1.44%	2.44%	3,243	2.69%					**5.13%**	**1.28%**
14	Objective-C	1.50%	2.54%	1,730	1.43%	66,000	0.83%			**4.80%**	**1.20%**
15	CSS					335,000	4.19%			**4.19%**	**1.05%**
16	VB.NET	2.47%	4.18%							**4.18%**	**1.05%**
17	Scratch	1.37%	2.32%	700	0.58%					**2.90%**	**0.73%**
18	Scala			1,827	1.51%	99,000	1.24%			**2.75%**	**0.69%**
19	Typescript					207,000	2.59%			**2.59%**	**0.65%**
20	Shell					206,000	2.58%			**2.58%**	**0.64%**
21	Assembly	1.47%	2.49%							**2.49%**	**0.62%**
22	Delphi	1.40%	2.37%							**2.37%**	**0.59%**
23	SQL	1.37%	2.32%							**2.32%**	**0.58%**
24	Visual Basic	1.35%	2.29%							**2.29%**	**0.57%**
25	Apex			1,609	1.33%					**1.33%**	**0.33%**
26	SAS			975	0.81%					**0.81%**	**0.20%**
27	Crystal			789	0.65%					**0.65%**	**0.16%**

But if we want to have a very long term historical view, then the following table shows the positions of the top 10 programing languages of many years back. Please note that these are average positions for a period of 12 months:

Programming Language	2017	2012	2007	2002	1997	1992	1987
Java	1	2	1	1	15	-	-
C	2	1	2	2	1	1	1
C++	3	3	3	3	2	2	4
C#	4	5	7	11	-	-	-
Python	5	7	6	12	27	16	-
Visual Basic .NET	6	14	-	-	-	-	-
JavaScript	7	9	8	7	20	-	-
PHP	8	6	4	5	-	-	-
Perl	9	8	5	4	3	8	-
Delphi/Object Pascal	10	11	11	8	-	-	-
Lisp	31	12	15	13	8	4	2
Prolog	32	30	26	15	17	13	3

So, we can come to a fast conclusion about the top 10 programming languages as below:

1- **Java.**
2- **Java Script.**
3- **Python.**
4- **C.**
5- **C++.**
6- **C#.**
7- **Ruby**
8- **PHP.**
9- **R.**
10- **MATLAB.**




Features Comparison

#	Language	Features
1	Java	Simple, Object-Oriented, Portable, Platform independent, Secured, Robust, Architecture neutral, Interpreted, High Performance, Multithreaded, Distributed, Dynamic
2	Java Script	Light Weighted, Scripting Language, Interpreter Based, Event Handling, Case Sensitive, Control Statement, In-Built Function, Looping Statement, If Else Statement, Client Side Technology, Validating User's Input, Object-based Scripting
3	Python	Easy, Expressive, Free and Open Source, High-Level, Portable, Object Oriented, Extensible, Embeddable, Interpreted, Large Standard Library, GUI Programming, Dynamically Typed
4	C	Fast, Efficient, Portability, Function rich Libraries, Modularity, Easy to Extend, Variety of Datatypes, Power Operators, Low Level Support, Bit Manipulation, High Level Features, Syntax Based, Case Sensitive, Structure Oriented, Use of Pointer, Platform Dependent, Compiler Based, Simple
5	C++	Simple, Syntax Based, Case Sensitive, Platform Dependent, Object Oriented, Portability, Powerful, Fast, Efficient, Modularity, Compiler Based, Uses of Pointer, Huge Function Library, Structured, Memory Management, Extensible, Recursion, Compiler Based
6	C#	Fast Speed, Simple, Modern, Object Oriented, Type Safe, Interoperability, Scalable, Updateable, Component Oriented, Structured, Rich Library, Error Handling, Automatic Component, Automatic Garbage Handling, Organized Class Library, Neat Features, Supercharged IDE,
7	Ruby	Object-oriented, Flexibility, Expressive feature, Mixins, Visual appearance, Dynamic typing and Duck typing, Exception handling, Garbage collector, Portable, Keywords, Statement delimiters, Variable constants, Naming conventions, Keyword arguments, Method names, Singleton methods, Missing method, Case Sensitive, Open Source, General Purpose, Interpreted, Server-side Scripting, Easy Syntax, Embedded into HTML, Scalable, Easy Maintainable
8	PHP	Simple, Easy, Error Reporting, Interpreted, Efficiency, Familiarity, Open Source, Case Sensitive, Flexibility, More Faster, Platform Independent, Real-Time Access Monitoring, Simplicity, Security
9	R	Supports Matrix Arithmetic, Interpreted, Object Oriented, Generic Functions, Procedural Programming with Functions, Packages, Database Input, Data Handling
10	MATLAB	Dealing with Matrices and Arrays, 2-D and 3-D Plotting and graphics, Linear Algebra, Algebraic Equations, Non-linear Functions, Statistics, Data Analysis, Calculus and Differential Equations, Numerical Calculations, Integration, Transforms, Curve Fitting, Various other special functions