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Google's Go beats Java, C, Python to programming language of the year crown

Google's Go language has been the focus of a huge rise in interest among developers, according to the long-running Tiobe Index.



By [Liam Tung](#) | January 11, 2017 -- 12:32 GMT (18:02 IST) | Topic: [Enterprise Software](#)

Jan 2017	Jan 2016	Change	Programming Language	Ratings	Change
1	1		Java	17.278%	-4.19%
2	2		C	9.349%	-6.69%
3	3		C++	6.301%	-0.61%
4	4		C#	4.039%	-0.67%
5	5		Python	3.465%	-0.39%
6	7	▲	Visual Basic .NET	2.960%	+0.38%
7	8	▲	JavaScript	2.850%	+0.29%
8	11	▲	Perl	2.750%	+0.91%
9	9		Assembly language	2.701%	+0.61%
10	6	▼	PHP	2.564%	-0.14%
11	12	▲	Object Pascal	2.561%	+0.78%
				2.546%	+0.50%
				2.325%	+2.16%
				1.932%	+0.57%
			VB Basic	1.912%	+0.23%
				1.787%	+0.73%
				1.720%	+0.95%

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languages in the Tiobe Index last year.

age: Tiobe Index

Google's Go is the programming language of the year, according to the long-running Tiobe Index, a search-based ranking that gauges the [popularity of top and emerging languages](http://www.zdnet.com/article/which-programming-languages-are-most-popular-and-what-does-that-even-mean/) among developers.

Rather than acknowledging the most widely used language, the firm focused its Programming Language of 2016 award on the language that has seen the fastest growth in popularity and hence where developers might want to strengthen their programming skills.

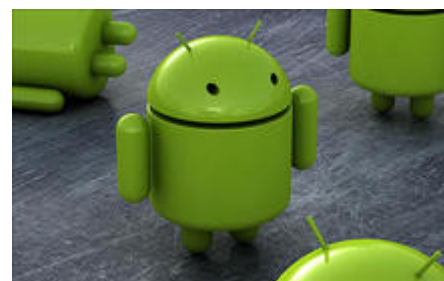
The ratings are based on popular searches on Google, Bing, Yahoo, Wikipedia, Amazon, YouTube, and Baidu.

According to Tiobe, Go has been the biggest mover over the past year with "hardly any competition", gaining 2.16 percent in popularity and rising from 54th position in January 2016 to 13th in January 2017. It was followed by Dart, a Google-backed language, and Perl, which grew 0.95 percent and 0.91 percent, respectively.

"The main drivers behind Go's success are its ease of learning and pragmatic nature. It is not about theoretical concepts such as virtual inheritance and monads but about hands-on experience," [said](http://www.tiobe.com/tiobe-index/) Tiobe, which says it's seeing an uptick in customers adopting Go in an industrial setting.

Google created Go in 2007 to accelerate programming on its own infrastructure and released it to the wider world in 2009. Go has since has been used to build popular projects such as Docker.

The top five languages remained stable across the period, with Java leading, followed by C, C++, C#, and Python. However, C has suffered a dramatic decline in popularity, falling from 16 percent in January 2016 to nine percent today, as did Java, which fell 4.19 percentage points over the year to 17 percent.



[\(http://www.zdnet.com/article/google-launches-android-programming-course-for-absolute-beginners/\)](http://www.zdnet.com/article/google-launches-android-programming-course-for-absolute-beginners/)

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Google has designed an Android app developer course for people who've never programmed.

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Microsoft's Visual Basic .NET meanwhile grew 0.38 percentage points to 2.96 percent, rising from seventh to sixth place, followed by JavaScript and Perl.

Tiobe expects next year's top candidates to be Apple's Swift language, Julia, and the Microsoft-maintained TypeScript. Tiobe notes that TypeScript is "very popular in the commercial industry", seeing a rise from 169 last January to 137 this month.

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I was surprised with the result, until I read the article and looked at the table. I have never heard of Go before reading this. I'm curious who actually uses Go and for what. I'm currently learning Python, so was pleased to see it is holding its ranking. I also have a post on the best Python IDEs, and curious to see what people are using. Can find it here, <http://www.pythonicquest.com/article/best-python-ide/>
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Samsung buys Korean AI startup Fluenty

Samsung Electronics has acquired South Korean AI startup Fluenty in a likely effort to boost its Bixby virtual assistant.



By [Cho Mu-Hyun](#) | November 28, 2017 -- 03:17 GMT (08:47 IST) | Topic: [Innovation](#)

Samsung Electronics has acquired South Korean startup Fluenty, which specialises in conversational artificial intelligence (AI).

The acquisition, which was led by the South Korean tech giant's mobile business, will allow the company to integrate Fluenty's services to its own AI platform, Bixby.

Fluenty, which was founded by former search giant Naver and Daum developers, has an app that suggests the best text reply based on AI technology. It was launched in the US in 2015 and South Korea last year. The service supports chat apps such as KakaoTalk, Telegram, Facebook Messenger, and Line.

Samsung this month combined its research arms under consumer electronics and mobile businesses to form Samsung Research. A new AI centre was formed as well under Samsung Research to look for new business opportunities in the technology.

The company earlier this year introduced its AI virtual assistant Bixby with the launch of the Galaxy S8, although it was met negatively initially due to being incomplete. It most notably lacked voice recognition, although the company [has since deployed Bixby's voice feature globally](#) (<http://www.zdnet.com/article/samsung-bixby-voice-feature-expands-to-200-countries/>).

Samsung said Bixby will improve its own language understanding capabilities over time from consumer use.

The South Korean tech giant last year acquired Viv (<http://www.zdnet.com/article/samsung-to-acquire-ai-platform-developer-viv/>), an AI voice assistant firm founded by Dag Kittlaus who co-founded Siri.

The goal is to deploy AI capabilities not just in smartphones but across all its consumer electronics. The company said its home appliances [will all have smart features, such as AI and voice recognition, by 2020](http://www.zdnet.com/article/samsung-to-apply-more-ai-voice-recognition-to-smart-home-line-up/) (<http://www.zdnet.com/article/samsung-to-apply-more-ai-voice-recognition-to-smart-home-line-up/>).

It is also working with South Korean chat giant Kakao to sync their respective [AI platforms, Bixby and Kakao I](http://www.zdnet.com/article/samsung-kakao-to-cooperate-on-ai-voice-recognition/) (<http://www.zdnet.com/article/samsung-kakao-to-cooperate-on-ai-voice-recognition/>).

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Samsung's artificial intelligence (AI) lab in University of Montreal will focus on developing core algorithms for use in robotics, autonomous driving, translation, and voice and visual recognition.

Samsung SDS launches enterprise AI chatbot Brity

(<http://www.zdnet.com/article/samsung-sds-launches-enterprise-ai-chatbot-brity/>)

Samsung SDS wants to expand AI-as-a-Service with the launch of the B2B chatbot.

Samsung AI speaker launching next year: Co-CEO

(<http://www.zdnet.com/article/samsung-ai-speaker-launching-next-year-co-ceo/>)

Samsung Electronics will launch its own artificial intelligence (AI) speaker next year, the firm's co-CEO has said, which will combine Harman's audio prowess with

its own technology.

Samsung Bixby Voice: An interactive, sometimes confusing personal assistant

(<http://www.zdnet.com/article/a-week-with-samsung-bixby-a-interactive-sometimes-confusing-assistant-that-has-a-ways-to-go/>)

Bixby voice is unlike any other personal assistant available today. Or is it?

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(<https://www.techrepublic.com/article/samsung-bixby-2-0-everything-the-pros-need-to-know/><https://www.techrepublic.com/article/samsungs-massive-new-display-is-everything-tech-pros-need/>) (TechRepublic)

The CGHgo allows business users to answer emails faster and view spreadsheets quicker with its curved, wide monitor.

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