

# The reason why C programming language is never outdated

IEEE Spectrum magazine ranked C as the leading language in 2017 before both Java, C # and JavaScript. If you study C this year, it won't waste your time and effort. Here are five reasons why.

In 2016, C is the 9th most powerful programming language on GitHub with 202k pull requests (requires the integration of code into the main branch) compared to the top three languages: JavaScript with 1604k pull request, Java with 763k pull request and Python with 744k pull requests. Ruby, PHP, C ++, and CSS also beat C. However, GitHub is not the most accurate image to evaluate because GitHub is always biased towards open-source and trendy languages.

In fact, IEEE Spectrum magazine ranked C as the leading language in 2017 before both Java, C # and JavaScript. If you study C this year, it won't waste your time and effort. Here are five reasons why.

1. Should we learn many programming languages ??or just one?
2. Learning one of these 16 programming languages ??helps you not to be unemployed

## 1. Deeper understanding of computers

C is a low-level language compared to other abstract languages. However, that doesn't mean it's not popular. You can write code that is close to the hardware and directly controls the memory while high-level languages ?? like Java must handle memory through the garbage collector process.



Although this is one of the parts that makes it difficult for users to learn C, that's why these language programmers tend to be more suited to how computers work. To write good C code, you need to think like a computer.

## 2. Helping learn other languages ??easier

Many programmers say: *When you know a programming language, you will know all the other languages* . This statement seems to be true, especially for C language.

For example, learning from low-level languages ??like C into a higher-level language like Python is easy, but it's not easy to learn the opposite.

Consider another example. C # is a popular language for new people, especially for those who want to participate in game development (because the Unity engine uses C #). However, C # is a highly abstract language so novice people are often confused because they do not understand.

By learning C, you will mainly learn the foundations of modern programming languages. If you really understand C, you will be able to learn any other language easily because most modern languages ??are more advanced than C.

## 3. Ability to evaluate other languages

Most modern languages ??are born to meet the shortcomings of other languages: C ++ C response, Java C ++ response, C # Java response . By learning C, you can understand the reason Why some languages ??are designed that way and are able to better appreciate the convenience that higher languages ??offer.



## 4. Used for unique applications and projects

Most modern programming languages ??are used for three purposes: business applications, web and mobile applications, and ultimately data analysis.

However, if you want to develop software that is directly connected to the hardware, you will need a lower language - and C is the most used language. Notable applications include operating systems, programming languages, compilers, embedded systems, .

For example, Linux kernel is written in C language and Assembly. Common languages ??like Python, PHP, Perl and Ruby are all implemented in C. Even C is written in itself. Because many embedded systems have strict resource limits, C is often the most chosen language because of the low cost.

## 5. Improve job opportunities

Most training programs start with coding and online training courses refer to developers of high-demand languages. So if you study C, it can open up employment opportunities that are not available for those high-level languages.

Do you find C obsolete or new programmers should learn it before exploring more advanced languages? Let us know by commenting below!

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