

## History

1. What is the name of your language?
  - a. C++
2. When/where was it created, and by whom? Was it written to address a particular problem or need?
  - a. C++ was created by Bjarne Stroustrup at Bell Laboratories over a period starting in 1979. C++ was created to add object-oriented features (among other things) to C, where it was previously named "C with Classes". It was made public outside Bell Laboratories in 1985. (1) (2)
3. What types of programming is your language primarily used for (ex: web sites, video games, mobile devices, parsing, etc.). If your language is multi-purpose, provide some examples of different projects it's been used for.
  - a. C++ is a general purpose programming language, so it has all kinds of uses. Some of these uses are: operating systems, game development, IoT devices, databases, web browsers, and machine learning tools. (3)
4. Where will you get information about this language when it's time to start programming in it? At the end of your assignment, provide a list of the names of books, website URLs, or any other resources that relate to your language in particular.
  - a. Some sources I intend to reference when learning how to use C++ are:
    - i. <https://www.codecademy.com/learn/learn-c-plus-plus>
    - ii. O'Reilly textbooks
    - iii. <https://www.w3schools.com/cpp/default.asp>

## Getting Started

1. What did you need to do to install the language?
  - a. I installed Visual Studio (different from Visual Studio Code)
2. Does this language come with a recommended programming environment? What is it? If not, how did you pick the one that you'll be using?
  - a. Visual Studio is recommended by some sources (such as: <https://www.incredibuild.com/blog/best-c-ides>) and I've used VSCode before so I just chose this one.
3. How do you run programs in that language?
  - a. To run code in C++, the code must first be compiled, and then it will run (as long as there are no errors).
  - b. For running the code in Visual Studio, you press the 'Local Windows Debugger' button.
4. How do you write comments in your language?
  - a. Comments in C++ are written with // before the comment and will continue onto the next line if the line ends with \
  - b. Example: //this is my code

## Sources

1. <https://www.oreilly.com/library/view/object-oriented-programming/9789332503663/xhtml/head-0045.xhtml#:~:text=C%2B%2B%20was%20developed%20by%20Bjarne.it%20as%20C%2B%2B%20in%201983>
2. <https://www.cplusplus.com/info/history/>
3. <https://www.codecademy.com/resources/blog/what-is-c-plus-plus-used-for/>