There are many programming languages and each of them served a different purpose in programming and the style. Arduino, one of the programming languages introduced in 2005, which is based on programming an Arduino-compatible board for Robot, is currently one of the most successful hardware/software projects in the world. Arduino is the lead in robot programming as it provides developers a free playground so they can program what they want the robot to do. (Hughes, 2016)

C# in the other hand is a very handy programming language, or multipurpose language that allow developers to use and develop console, windows, web, and mobile applications without must code every single one of them separately (which also required different languages). C# is introduced in 2000 and officially release until 2002 and it is popular for the reasons of its ease of use, well-organized object-oriented methodology and like C programming languages which has been used to develop tons of programs, provide easier transition for C developer to C# developer. (McGee, 2014)

C++ is another variant programming language in C languages. C++ exists to provide user an advanced techniques in low-level programming (compared with C), object-oriented, Standard Template Library (STL), metaprogramming and concurrency. (Grigoryan & Wu, 2020)

Java is no ordinary programming language: It inspires devotion, passion, exaltation and eccentricity – not to mention frustration. Java has been called “the C++ for the Internet” when it was first release as its functionality was not fully discover. Later, many companies adopted Java and used to develop applications which has nothing to do with the Internet system (Holzner, 2001)

One of the best-known programming languages for Web Developer is JavaScript. JavaScript sometimes can be referred to as “scripting language” and program the functionality in either contained internally in an HTML page or resides in an external file. To make JavaScript running along with the HTML page, HTML page must specify which <script> they want to use for that page. (Negrino, 2012)

Another popular language we must add here is Python. Python is easy to read and understand as the programming language eliminated any unnecessary part such as semi-colon, bracket etc., Python programs are executed by an interpreter. On most machines, the interpreter can be started by simply typing “python” into the Command Line Interface/Terminal. However, many software and application has been introduced which allow developer to easily test the program right on software environment. (Beazley, 2006)

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