Assignment: **Programming Languages I Might Like To Learn**

Abstract

This assignment presents a short text for each of 6 programming languages that I might like to learn for one reason or another. Collectively, the short texts are intended to highlight some of the more salient features of programming languages.

Language 1: <<C>>

C, a general-purpose programming language, was created by an American Computer Scientist, Dennis Ritchie, in the early 1970s. It was developed as a system implementation language for the emerging Unix operating system. However, it was not until 1983 that the first formal standard of C was established. The C that we currently employ, commonly known as C18, is the fourth standard of the C. Many other programming languages such as C++, C#, and JavaScript have been influenced by C. C is frequently used in systems where performance is the primary concern, for example, video games.

I would like to C for several reasons, for example;

1. It is one of the most widely used languages. The UNIX operating systems and databases, such as MySQL, are partially written in C.
2. Low-level memory access, a small set of keywords, and a clean style are the three primary characteristics of the C programming language, which makes it ideal for system programming like operating systems or compiler development.

Language 2: <<SQL>>

SQL, a domain-specific language, stands for a standard database query language. In the 1970s, IBM engineers Raymond Boyce and Donald Chamberlin created the SQL programming language. Following Edgar Frank Codd's publication, "A Relational Model of Data for Large Shared Data Banks," in 1970, the programming language, then known as SEQUEL, was developed. SQL is mainly used for data queries, data management (create, read, update, and delete), and data access control.

SQL is beneficial to learn for a variety of reasons.

1. It is a very powerful tool that can be used to manage databases and perform operations, such as accessing, creating, updating, and deleting data.
2. Web applications, data warehouses, and e-commerce apps are just a few of the applications and contexts where SQL is frequently utilized.

Language 3: <<Python>>

Python, a high-level programming language, was created by Guido van Rossum and released on February 10, 1991. Python is also a general-purpose programming language widely implemented in developing video games, animations, and imaging. Python's primary goals are to improve developer efficiency and code readability. Python has been adopted by leading technology companies such as Dropbox, Google, Quora, and Mozilla due to its benefits.

Python is one of my programming languages to learn for several reasons;

1. Python is incredibly flexible. It is utilized by numerous industries and can be used for both simple and difficult operations.
2. Python is implemented using a wide range of libraries, which are prewritten codes accessible by anyone. Once one has mastered the fundamentals of Python, one will probably be able to comprehend and use a significant amount of code created by other programmers.

Language 4: <<HTML>> 1993

HTML stands for the HyperText Markup Language, and its initial iteration was written by Tim Berners-Lee in 1993. Since then, HTML has existed in a variety of forms. HTML 4.01 became a recognized standard in December 1999 and was the most extensively used version during the 2000s. HTML is the preferred markup language for texts intended to be viewed via a web browser. Web browsers translate and create text, graphics, and other content into visual or audio web pages using HTML, a markup language.

HTML is worth learning for many reasons;

1. For people who are new to web programming, HTML is a wonderful place to start because it is

simpler to master.

2. Making well-organized standards-compliant web pages that are simple to edit and maintain is one of the advantages of utilizing HTML.

Language 5: <<JavaScript>>

JavaScript, along with HTML and CSS, frequently referred to as JS, is a computer language that is a fundamental component of the World Wide Web. It is a high-level programming language invented by Brendan Eich in 1995. Initially utilized only to create online browsers, JavaScript is now also employed in server-side website development and non-web browser applications.

The programming language JavaScript is worthwhile to learn for a number of reasons.

1. One of the world's most widely used programming languages is JavaScript, which is highly sought after by numerous businesses.

2. Because JavaScript is so flexible, it's simple to incorporate exciting design features like animation, interactive maps, and scrolling videos.

Language 6: <<CSS>>

HÃ¥kon Wium Lie originally proposed the concept of CSS in 1994, which was created in 1996. CSS stands for Cascading Style Sheets and is used to describe how a document produced in a markup language like HTML is presented. Besides HTML, markup languages such as XHTML, plain XML, SVG, and XUL also support the use of CSS.

The benefits of mastering CSS are numerous.

1. CSS may provide a simpler way to construct responsive websites that look nice on mobile and tablet devices.

2. In HTML, it is necessary to specially declare font, background, and sizes for better readability and display. CSS enables developers to transfer those data into a style sheet which greatly simplifies HTML.