**Basic syntax**

Basic syntax represents the fundamental rules of a programming language. Without these rules, it is impossible to write functioning code.

Every language has its own set of rules that make up its basic syntax. Naming conventions are a primary component of basic syntax conventions and vary by language.

* **Case Sensitive**. Java, C++, and Python are examples of languages that are case-sensitive. Identifiers such as***world***and ***World***have different meanings in these languages. Languages such as Basic and SQL are insensitive, meaning world and World have the same meaning.
* **Class Names.**Java requires the first letter of each word in class names be upper case. For example, ***class* *FirstJavaClass.***Languages such as C or C++ use an underscore to separate words.  In C, the class name would be first\_java\_class.
* **Program Filenames.** The name of a Java program file must match the class name with the extension ‘\*.java” added to the name. For example, ***FirstJavaClass.java***would be the name of the program file for the class *FirstJavaClass*. C and C++ files require a “\*.c” or “\*.cpp” extension but have no other stipulations.

Different languages may have rules for adding comments, using white space, or declaring variables.

Object-oriented languages such as Java and C use methods that have different syntax requirements.

The first step in [learning any programming language](https://woz-u.com/blog/how-to-learn-software-programming-online/) is to understand the basics such as phrase structure, proper syntax and correctly structured code.

*Syntax basically refers to the protocols to be followed while writing a program*. It is very necessary to follow proper syntax while coding to get the desired set of output. The  C basic syntax consists of header files, main function, and program code. This is the most fundamental structure in the C program. A C program necessarily consists of the main function because the execution of the program starts from this line. Without the main function, the program execution does not start.

Assembly Basic Program Text

Description automatically generated

Result

Graphical user interface, text, application, email

Description automatically generated