



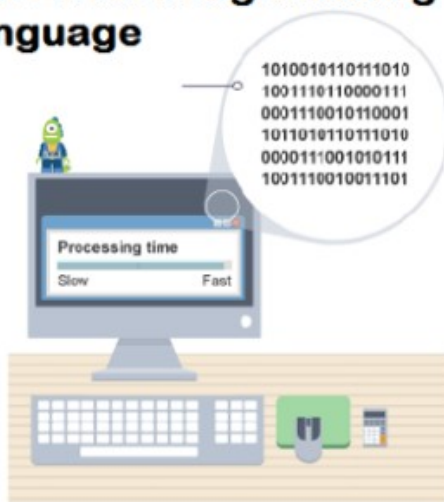
WHAT DO YOU MEAN BY PROGRAMMING ?

WHAT IS COMPUTER PROGRAMMING

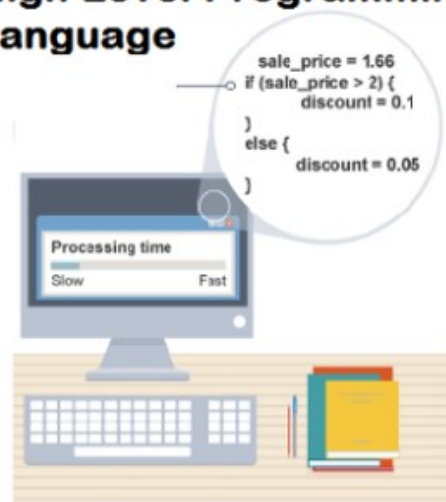
- Computer Programming is the process of creating computer programs.
- A program is a set of instructions that tell a computer what to do.
- A program is created using a programming language.
- A programming language is a language that can be used to communicate with a computer. Therefore a programming language is the equivalent of a language such as English when it comes to communication with computers.
- There are several programming languages in existence today. I will list the most common ones.

TYPES OF PROGRAMMING LANGUAGES

Low Level Programming Language



High Level Programming Language

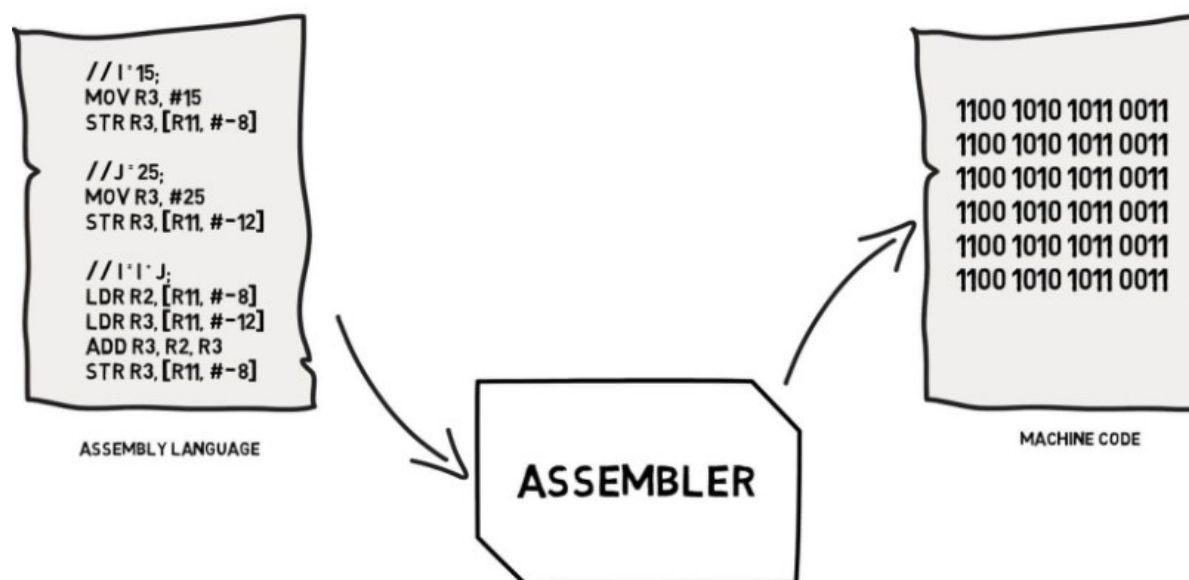


A **low-level programming language** is the most understandable language used by a computer to perform its operations. Examples of this are assembly language and machine language.

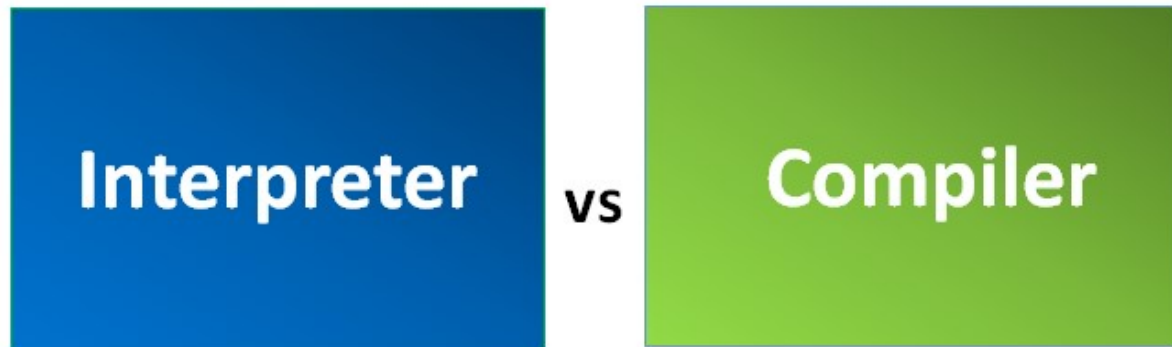
A **high-level programming language** has a strong abstraction from the details of the computer, unlike low-level programming languages. These languages are much closer to

human language than a low-level programming language and are also converted into machine language behind the scenes by either the interpreter or compiler.

Low-level languages are faster and more memory efficient than high-level languages.

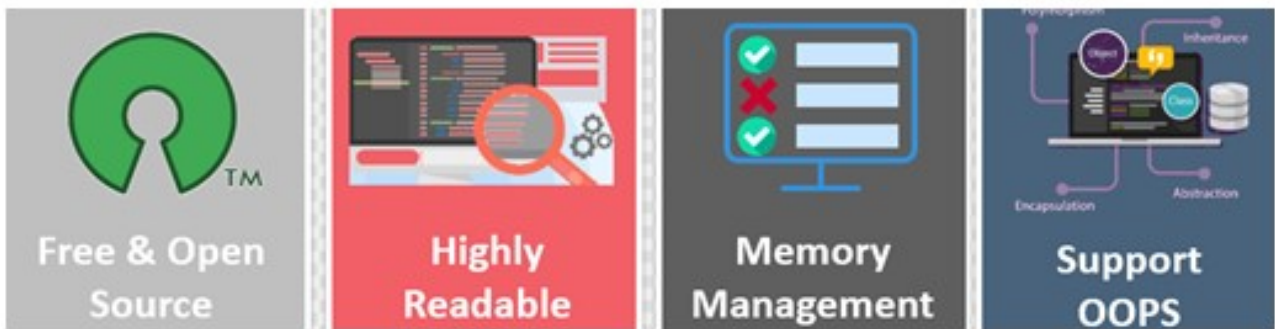


WHAT DO YOU MEAN BY COMPILER AND INTERPRETER ?



Compiler transforms code written in a high-level programming language into the machine code, at once, before program runs, whereas **Interpreter** converts each high-level program statement, one by one, into the machine code, during program runs.

SOME IMPORTANT FEATURES OF PYTHON



SO LET'S GET STARTED

