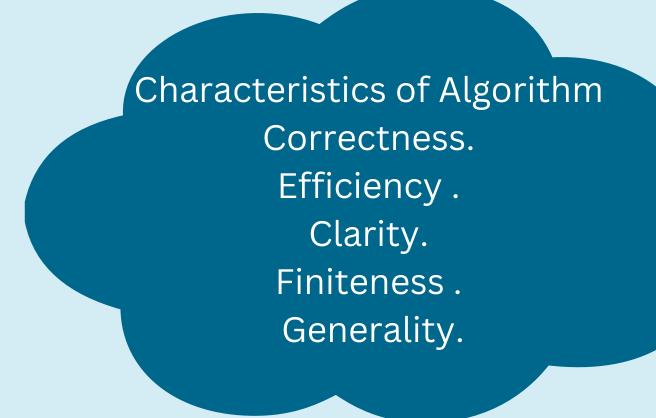


## Introduction to Algorithms

- pseudocode
- step by step rocedure to solve a problem.
- ordered.
- finite, well-defined.



## Type of Algorithms

Sequential Algorithm

follows a fixed sequence of steps. use pseudocode+Flow chart

Iterative Algorithm

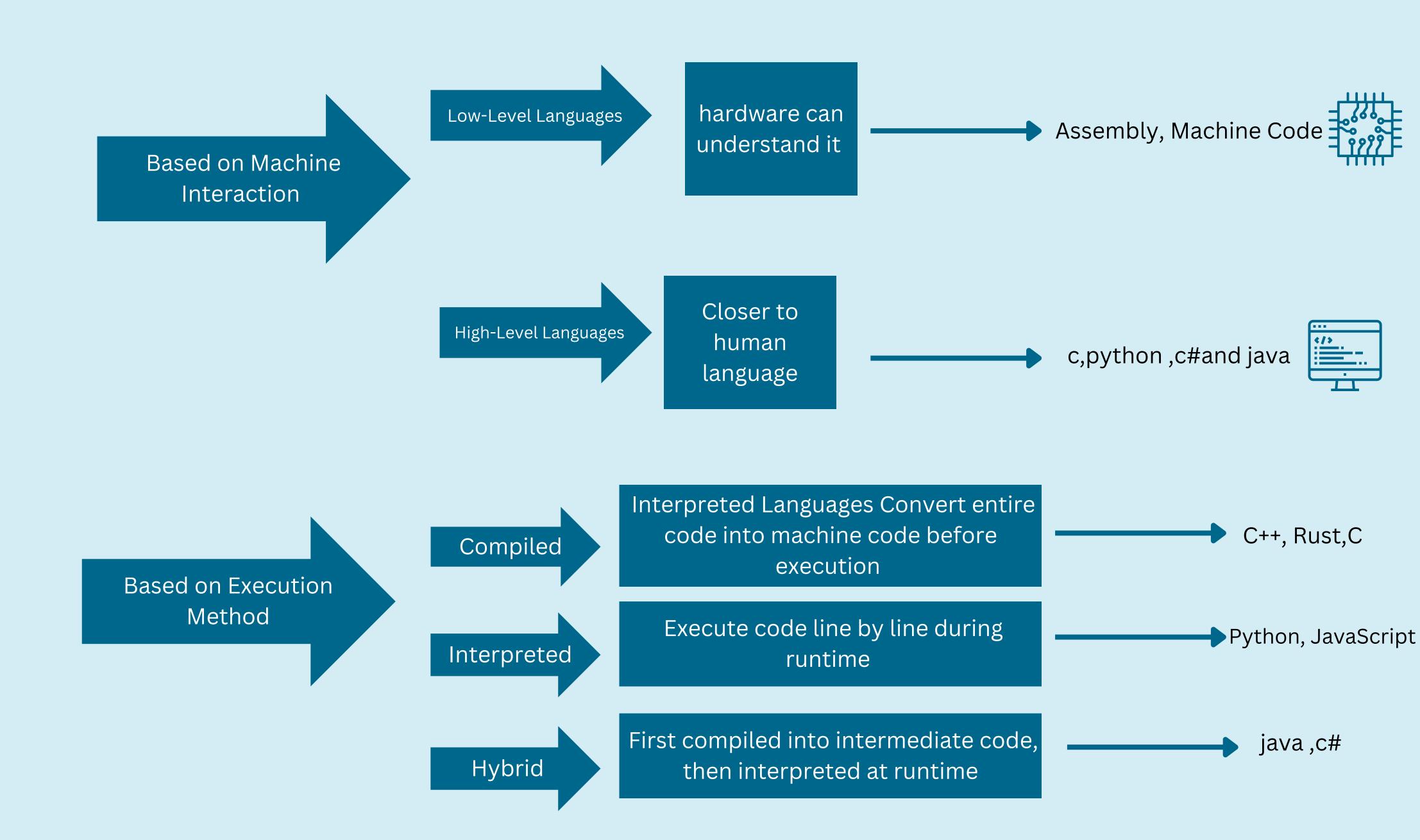
repeats a process multiple times using loops

Recursive Algorithm

calling itself to solve

Flow Chart

## Types of programming languages



Compiled Languages	Interpreted Languages
Faster	Slower (line-by-line execution)
Compilation required before run	Compilation not required
Errors detected at compile-time	Errors detected at runtime
Less portable (compiled for specific OS/CPU)	More portable (runs on any system with an interpreter)
Debugging harder	Debugging easier