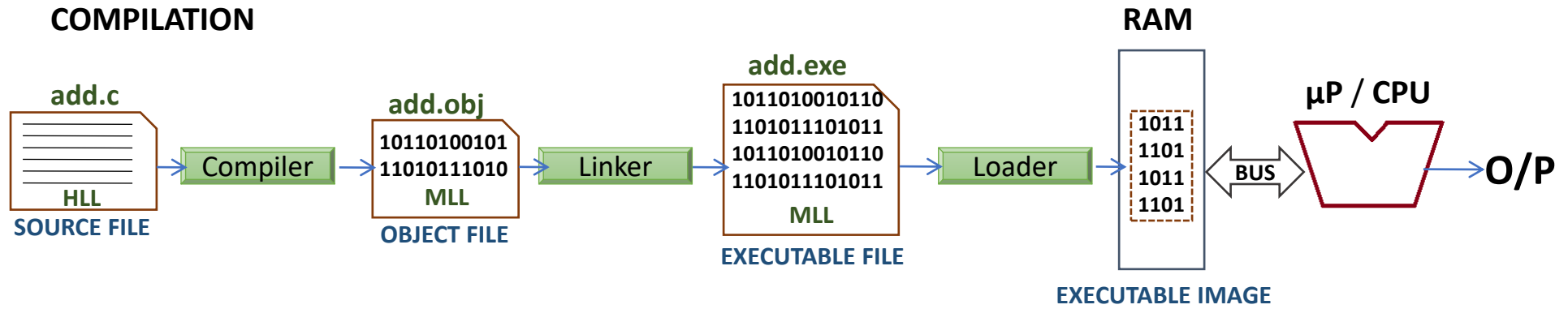
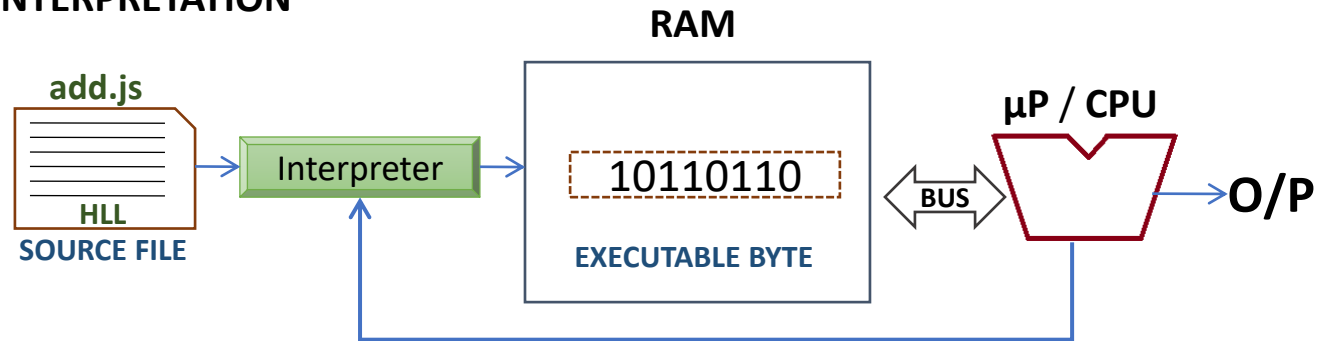


COMPILATION



INTERPRETATION



⇒ Compilation is the process of converting HLL Code into MLL Code using Compiler as the software.

During compilation process, the entire HLL Code is converted into MLL Code in one go.

⇒ Interpretation is the process of converting HLL Code into MLL Code using Interpreter as a Software.

During Interpretation process, each HLL instruction is converted into MLL Code instruction by instruction.

Compiler

→ Entire HLL Code is converted into MLL Code in one shot.

→ The process of execution is faster.

→ Debugging is difficult.

→ Intermediate Code will be generated.

→ Source file is not needed for multiple execution.

→ MLL Code will be stored on the Hard disk.

→ Example of pure Compiled languages: C, C++, C#, etc.

Interpreter

→ HLL Code is converted into MLL Code instruction by instruction, one at a time.

→ The process of execution is slower.

→ Debugging is easy.

→ Intermediate Code will not be generated.

→ Source file is required for every execution.

→ MLL Code will not be stored on the Hard disk. Rather, it will be directly loaded on to the RAM.

→ Example of pure Interpreted languages: Javascript, Ruby, Perl, PHP, etc.

NOTE

Java is a hybrid programming language as it is both compiled and Interpreted.