Understanding Client-Side, Programming Languages, and Language Levels

In computing, different types of programming languages and execution environments exist.

Here, we explain client-side processing, programming languages, and the categorization of languages into low-level, high-level, and middle-level.

Category	Description
Client-Side	Code that runs in the user's browser rather than on a server. Examples include JavaScript, HTML, and CSS.
Programming Language	A set of instructions used to communicate with computers. Examples include Python, Java, and C++.
Low-Level Language	Languages that are closer to machine code and require detailed memory management. Examples: Assembly, Machine Language.
High-Level Language	Easier for humans to understand, with abstraction from hardware. Examples: Python, JavaScript, C#.
Middle-Level Language	A mix of both low and high-level features, providing efficiency and abstraction. Example: C, C++.