Research

Multiple Programming languages that can allow direct access to hard ware systems ?

Programming languages that allow direct access to hardware systems are called low-level languages. Low level languages give Programmers more control over the hardware, but they can also be more difficult to learn and use.

- Machine language : Machine language is lowest level language and consists of binary code that directly represents instruction executed by CPU.
- Assembly language : It is a symbolic representation of machine instructions. It is easier to learn and use than machine language.
- C : C is a ~~high~~ Medium level programming language that provides direct acess to hardware resources. It is often used to write operating systems, device drivers and other system software
- C++ : C++ is a superset of C that provides additional features such as a object oriented Programming and generics.
- Rust : Rust is a modern programming language that is designed to be safe and efficient. It provides direct access to hardware resources.
- D : D is a programming language that similar to C++, & includes garbage collection
- Zig : Zig is a programming language that is designed to simple and efficient. It provides direct access to hardware resources but also include features that help to prevent common programming errors.

- Some languages such as C & C++ offer a balance of low level features and high level features.
- Some high level languages such as Phython and Java can be used to write code that indirectly accesses hardware resources through libraries of frame work.