Mojo Programming Language.

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DID YOU KNOW?

`<p>` What is Mojo? `</p>`

- A new programming language for AI developer
- Mojo is a programming language that combines the ease use and flexibility of dynamic languages, such as Python.
- It has performance and control of system languages, like C and C++

slidesmania.com

Chris Lattner.

He developed Mojo and it was made accessible by browser in May 2023

DID YOU KNOW?

```
<p> Mojo key features. </p>
```

- Python-like syntax and dynamic typing.
- Mojo suitable for writing high-performance and resource-efficient code.
- Metaprogramming.
- Portability.
- High performance.
- Mojo is still underdeveloped.

DID YOU **KNOW?**

`<p>` Why Mojo is very speed? `</p>`

- Mojo is a compiled programming language like C and C++.

- Mojo can adopt with multicore processor.

Mojo Data Types (Statically).

01
Int

02
Float

03
Bool

04
String

05
Char

06
Void

DID YOU KNOW?

<p> Hello World! </p>

Create a file with ".mojo" or ".🔥" extension and add the following code; run the command > mojo filename.mojo

```
fn main():
    print("Hello, world!")
```

DID YOU KNOW?

`<p>` Function in Mojo `</p>`

```
fn print_board(borrowed board: InlinedFixedVector[Int, 9]):
    for i in range(3):
        for j in range(3):
            print(board[i * 3 + j], end=" ")
        print()
```

DID YOU KNOW?

\<p\> Module system \</p\>

A Mojo module is a single Mojo source file that includes code suitable for use by other files that import it.

```
struct MyPair:
    var first: Int
    var second: Int

    fn __init__(inout self, first: Int, second: Int):
        self.first = first
        self.second = second

    fn dump(self):
        print(self.first, self.second)

# Source: https://docs.modular.com/mojo/manual/packages
```