Arthur Murillo TD2 | TP4

Julia programming language

What is diversity in the world of programming languages?

What diversity means in the world of programing language is that each programming language has its pros and cons, and that everyone of them has different fonctionnalities to fulfill tasks or different ways to put them in use.

Why would one single language be appreciated? As a programmer do you think it is possible to achieve this?

Because it would avoid developpers to use different languages on their programs in order to integrate different functionnalities in it. As a programmer I totally believe that this is posible and would be really useful.

What does unlimited scalability mean?

Scalability means the possible use of the programming language for different applications now, or in the future. It's basicaly its proprension to adapt and evolve.

What are the advantages of Julia according to the article ?

According to the article, Julia allows developpers to do prototyping and production in the same language.

What does open source mean ?

Open source means that everyone can access the source code of a given product. Therefore, it means that any user can contribute to the improvement of the product.

Explain in your own words the two groups of programming languages in numerical computing.

Static : Their execution is really fast but they require great rigor during development.

Dynamic : Their execution is a bit slow but they are made so that development is easy, and often own huge libraries of functionalities that can be added on the go.

What is your opinion on Julia ?

It is great that some people found a way to tie both the advantages of static and dynamic languages and made it so that it is really easy to use. I'm not using it (yet ?) but it might very soon become a dominant programming language.