

Yona Programming Language

by José Miguel Panadero Pérez(xpanad00) y Alejandro Panizo Jerez(xpaniz00)

Currently the functional programming languages have been gradually more used because of the capability for nesting functions, like for example, R or Yona.

In this talk, we are discussing Yona, a minimalistic, dynamically typed, parallel and non-blocking, polyglot, strict, functional programming language and development which puts a strong focus on code readability. We will see the impact of its readability, the number of its expressions in comparison with other languages, explain what its Single expression principle means and its emphasis on concurrency.

Yona is a very new language that few people know, so we are going to compare the different characteristics such as syntax, semantics or its execution time, as well the reasons for using this functional language and not other more usuals such as R. This way we will be able to reason if Yona will become an improvement compared to other functional programming languages or if it is not as useful as thought in the beginning.