

Structures

Structures are going to be extensively used in Phoenix. They're very similar to maps. Let's see an example.

```
# filename: 08structs.exs
defmodule User do
  defstruct name: "John", age: 29
end

defmodule Test do
  require User

  def main do
    john = %User{}
    IO.inspect john

    IO.puts "Another one ... "
    jane = %User{name: "jane"}
    IO.inspect jane

    IO.puts "Aging jane ... "
    jane = %{jane | age: 31}
    IO.inspect jane

    IO.puts "Jane's age is #{jane.age}"

    IO.puts "Occupation ... "
    jane = %{jane | occ: 'Lawyer'}
    IO.inspect jane
  end
end

Test.main
```

So, just maps without the possibility of adding new fields (thus avoiding typos).

“Elixir and Phoenix: Real World Functional Programming”

Video Course by Dr. Nauman

<http://recluze.net/learn>