Exercises

1. So we going to learn Ladeira's "casamento de padrão". First of all, we have been lying all this time. What the name of the operator below: Tip: It's not an assigment operator!

```
iex> x = 1
```

2. Pattern matching works on both sides? In other words, Can I match a variable on the left side?

```
iex> 1 = x
...?
```

3. Go to internet, talk to your team, find in some fucking place an example of a simple pattern matching using more than 2 variables. Use 'iex' to test your example.

```
iex> ...?
```

4. Match a variable `b` to all elemets of the list `a = [1,2,3,4]` except 1.

```
iex> ...?
```

5. Observe the code below.

```
{:ok, result} = {:error, :oops}
```

- What is the name of the exception raised?
- Make it work now changing only one element! ;D

6. Explain why we don't use `if` statements very often in Elixir. Which statement are more used and how?

7. Pin Operator! What the fuck? Observe the code below and explain what's happening?

```
iex> x = 1
1
iex> ^x = 2
** (MatchError) no match of right hand side value: 2
iex> { y, ^x } = { 2, 1 }
{ 2, 1 }
```

- Make it work changing the right side of the last expression.