Ask me anything

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0 questions
0 upvotes

In: Shape shape = new Square(); what is the static type of: shape ?

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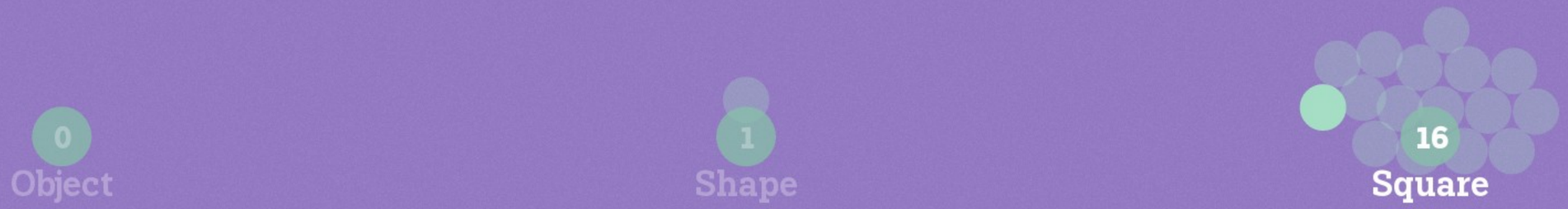
In: Shape shape = new Square(); what is the dynamic type of: shape ?



17

In: Shape shape = new Square(); what is the static type of: (Square) shape ?

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Object

Shape

Square

15

In: Shape shape = new Square(); what is the dynamic type of: (Square) shape ?

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17

In: Shape shape = new Square(); what is the static type of: (Object) shape ?

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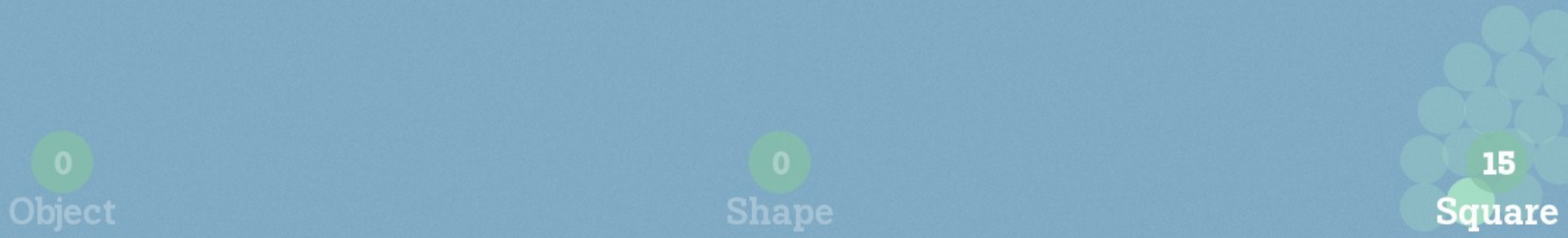
16
Object

0
Shape

1
Square

17

In: Shape shape = new Square(); what is the dynamic type of: (Object) shape ?



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Types in Haskell Demo

Can you define a tree data type in Haskell that could hold either integers or strings? If so, how? If not, why not?

yes in very wrong haskell type notation::t node = (a, node, node)

Use a datatype with 2 constructors, one for int and one for string. Similar to the temperateure in degrees/fahreinheit

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What is this? (0:)

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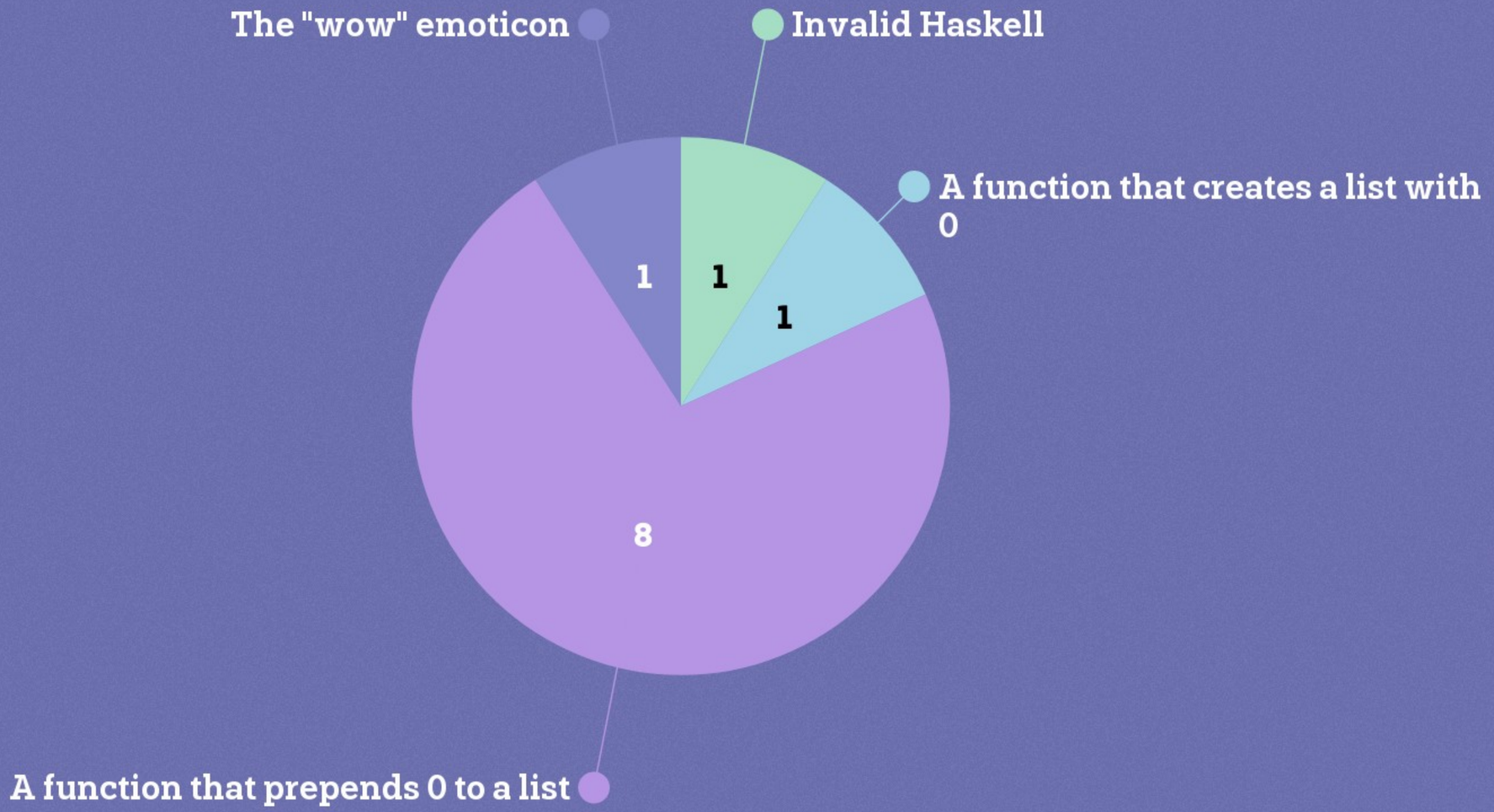

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Demo — Exploring (0:)

What is the type of ("+"++) ?

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[char] -> [char]

"+"

[char] -> [char]

[Char] -> [Char]

[Char] -> [Char]

a function that prepends "+" to a String

[Char] -> [Char]

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How does parametric polymorphism (map) differ from overloading (==) ?

map is universal polymorphism while overloading needs to be done for each individual type

parametric polymorphism: function which takes several different arguments,overloading: many different function which look the same, but take different types

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Last chance for questions