Ask me anything

0 questions
0 upvotes
In: Shape shape = new Square(); what is the static type of: shape?
In: Shape shape = new Square(); what is the dynamic type of: shape?
In: Shape shape = new Square(); what is the static type of: (Square) shape?
In: Shape shape = new Square(); what is the dynamic type of: (Square) shape?
In: Shape shape = new Square(); what is the static type of: (Object) shape?
In: Shape shape = new Square(); what is the dynamic type of: (Object) shape?
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::
\[
\text{node} = (\text{a}, \text{node}, \text{node})
\]

Use a datattype with 2 constructors, one for int and one for string. Similar to the temperature in degrees/fahrenheit
What is this? (0:)

1. The "wow" emoticon
2. Invalid Haskell
3. A function that creates a list with 0
4. A function that prepends 0 to a list

Total: 8
Demo — Exploring (0:)

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

- char -> char
- "++"
- char -> char
- Char -> Char
- Char -> Char
- a function that prepends "+" to a String
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
Last chance for questions