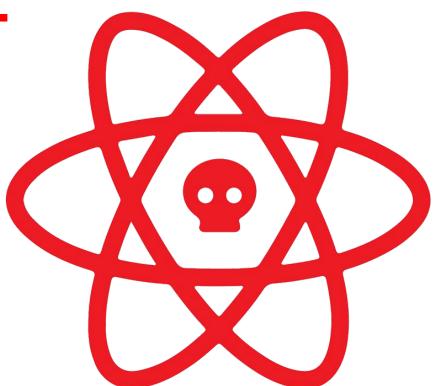
Rehacked

react reimagined





a new spin on programming

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Pivot at a glance

Statically typed with some auto type inference

Strongly typed

Scripting focus

Compiles to JavaScript

Inspiration

F#, JavaScript, Python

Types

num, bool, str, char, list, dict

Built-ins

Math: random, pi, sqrt, abs, round

Lists: tail, head, find, len

Dicts: keys, values, includes

Strings: len, upperCase, lowerCase

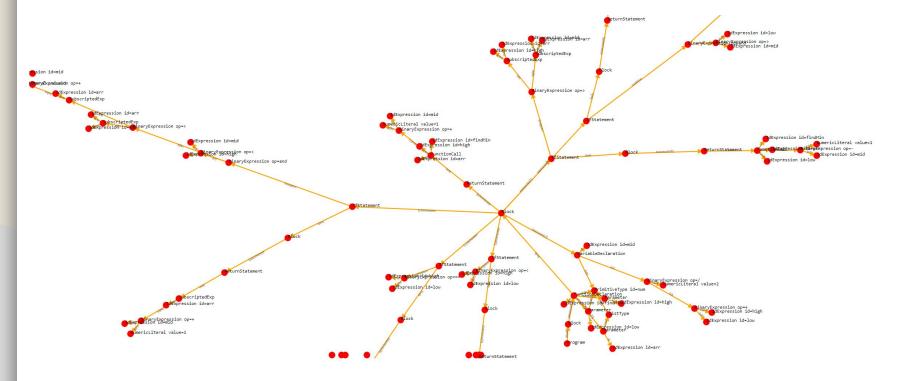
Awesome **Pivot** features

```
If Shorts
     str msg <- "hi" when x > 5 otherwise "bye";
Indexing
     [num] ranNums <- [2,3,41,531,6,78,12,124];
     ranNums:3;
     ranNums:3...9;</pre>
```

"Suppose an array sorted in ascending order is rotated at some pivot unknown to you beforehand. Find the min."

```
findMin([num] arr, num low, num high) -> num
    if high < low then return arr:0; end
    if high == low then return arr:low; end
    num mid <- (low + high) >> halve >> round;
    if mid < high and arr:mid+1 < arr:mid then</pre>
      return arr:mid+1:
    end
    if mid > low and arr:mid < arr:mid-1 then
      return arr:mid;
    end
    if arr:high > arr:mid then return findMin(arr, low, mid-1); end
    return findMin(arr, mid + 1, high);
end
num task pow4 -> num default ** 4;
```

AST Visualized with D3.js



print "thank you";