



Programming Languages Swarnip Tour

Agenda

- Who Am I?
- What problem are we exploring?
- Programming Languages
 - C
 - C++
 - Objective C
 - Go
 - Ruby
 - Python
 - Java
 - Scala
 - Javascript
 - CoffeeScript
 - Dart

Who Am I

- Allan Davis
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Number Guessing Game

- Computer thinks of a number.
- You Input a number between 1 and 100
- If that is the number the computer is thinking print “You got it”
- If it is lower than the number print “Higher”
- If it's Higher than the number print “Lower”
- If the guess is wrong have the user guess again

C

- Developed By: Dennis Ritchie @ Bell labs
- When: 1972
- Procedural language that provides an efficient mapping to machine language.

C++

- Developer: Bjarne Stroustrup @ Bell labs
- When: 1983
- Object Oriented Programming language based on C

Objective C

- Developer: Brad Cox and Tim Love @ Stepstone
- When: 1983
- Adding concepts from Smalltalk to C

GO

- Developer: Robert Griesemer, Rob Pike, and Ken Thompson
- When: 2009
- Functional Concurrent Programming Language by Google

Java

- Developer: James Gosling @ Sun Microsystems
- When: 1995
- Object Orientated Programming Language derived from C++ without low level functionality

Scala

- Developer: Martin Odersky
- When: 2003
- Object Orientated Language with features of a Functional language

Python

- Developer: Guido van Rossum
- When: 1991
- Object-oriented, imperative and functional programming Language

Ruby

- Developer: Yukihiro Matsumoto
- When: 1995
- Dynamic Typed Multi-Paradigm Programming Language

JavaScript/ ECMAScript

- Developer: Brendan Eich
- When: 1994
- Prototype-based scripting language

CoffeeScript

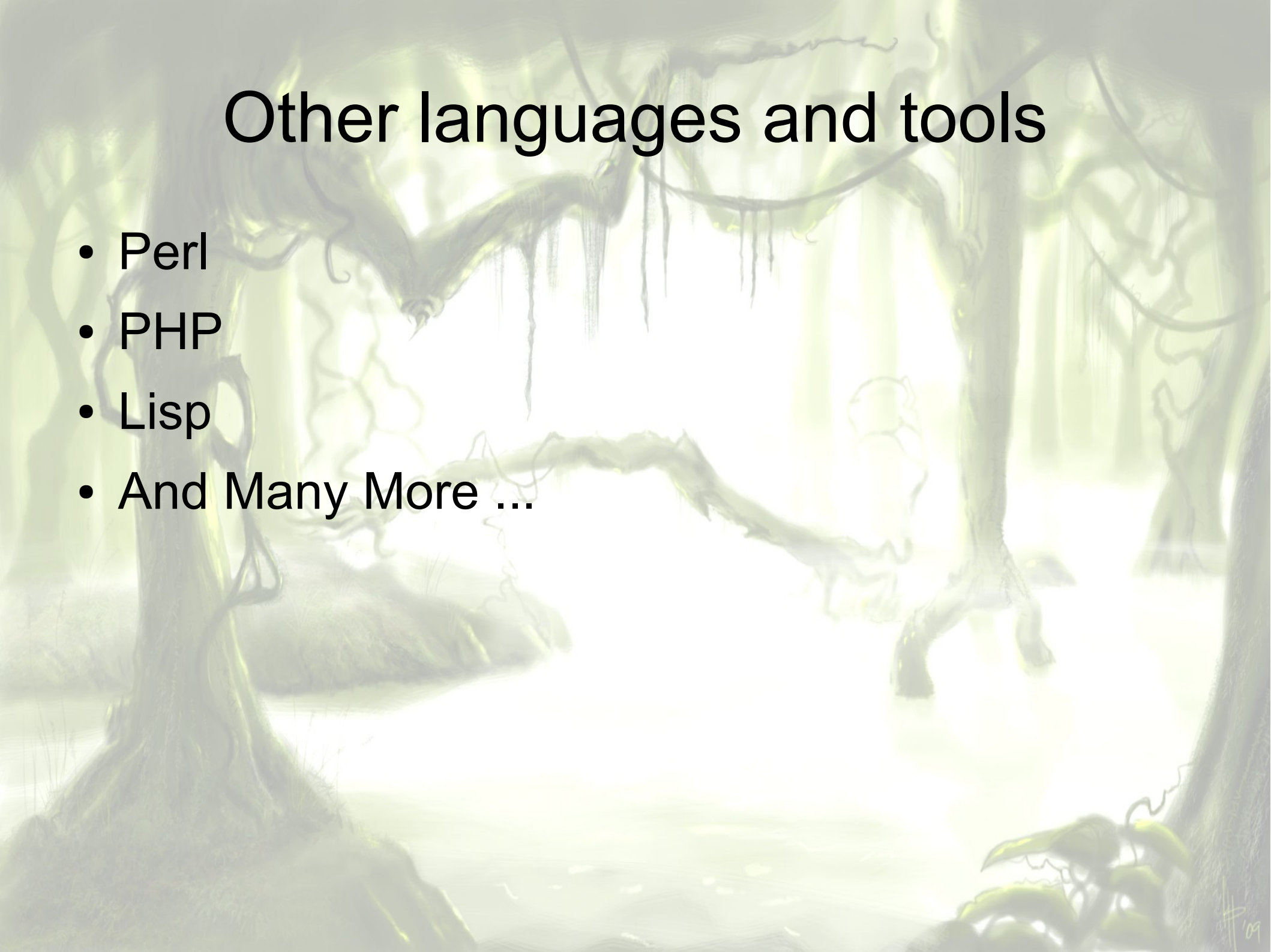
- Developer: Jeremy Ashkenas
- When: 2009
- Javascript Pre-compiler adding Ruby/Python syntax

Dart

- Developer: Google
- When: 2011
- Static typed language designed to replace javascript

Other languages and tools

- Perl
- PHP
- Lisp
- And Many More ...



A digital painting of a dense, misty forest. The scene is dominated by a pale green color palette. In the foreground, a large, gnarled tree trunk is on the left, with thick, dark vines hanging from its branches. The background is filled with more trees, their forms softened by a thick mist. Sunlight filters through the canopy, creating a hazy, ethereal atmosphere. The overall mood is mysterious and slightly melancholic.

Questions?