Seven Languages in Seven Weeks

Haskell

Concatenate strings.

What are strings, really?

How is negation done?

Give the conditional syntax.

What is unusual about Haskell conditionals?

Like in Java, Boolean types are ...

Find the type of an expression

Make ghci print all types.

What are the two types of a function?

### Create a module MyMath with the function my\_max.

#### How can you control flow of control to a function?

Give the syntax of guards.

What is often used as the last guard?

Give the syntax of tuples and lists.

#### Compose functions

Access the length of a collection.

Give the list range syntax.

Give the list comprehension sytax.

Give the anonymous function syntax.

# How can you bind variables with maximally limited scope?

How do you partially apply a function?

What's the simplest way to create a new type?

What are some simple type alias forms?

## How can you make your custom type printable?

# How are variables interpreted in a function's type declaration?

What is a class in Haskell?

How can you temporary variables for use in a function?

Haskell

Some common uses are ...