

Primer



This document is disigned to help progammers learn the basics of Bill.

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Bill Primer

1.1 Beginning

Hello World "Hello World" traditionally language. the first program one writes in а new #!/usr/bin/env bill # hello.bill # aka hello world fun main():no_value writeln("Hello World") // defaults to 0 hello.bill Of course, the first few lines are unnecessary. However, declaring a main function is required. Details, on that, the shapter (Functions). in next Next: **Types**

4 Bill Primer

Conditionals

Conditionals

If...

6 Conditionals

Containers

Containers

Containers can hold multiple values.

8 Containers

Exceptions

Exceptions

oops!

10 Exceptions

Expressions

Expressions

Express!

12 Expressions

Functions

Functions

Encapsulating repeatable steps, is how we make programming easier.

hello.bill

The funcion definition line should look familliar. The "fun" reserved word declares a function.

After the ":" is the function return type. However, in this case "no_value" indicates there is ho return of any kind.

A common practice of statically typed languages is to declare the type "void," which is similar.

6.1 Declaring a Function

etc...

14 Functions

Strings

Strings

\$\$\$

16 Strings

Style

Style

STYLE!

18 Style

Types

Types

Every form of data is a type. By extension, the same is true for functions.

20 Types