



### Successful Remote Participation

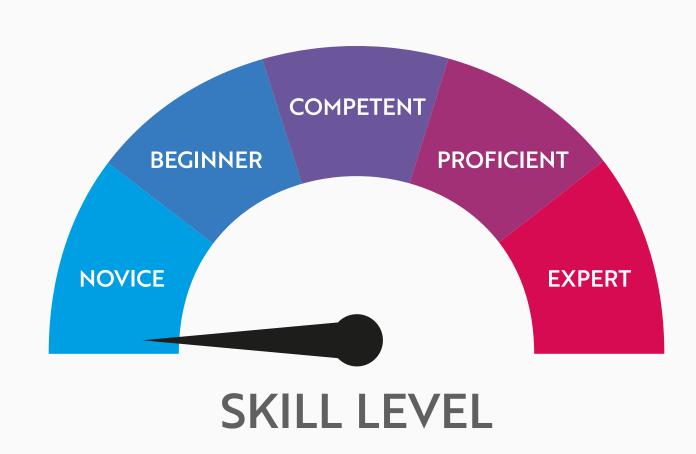


- 1. Please have on
- 2. Questions
- 3. When you're done



# We're All Starting at Different Points

But we're all in this together.





# **Conqueror Our Fear**

The opposite of courage is not fear but apathy.





# **Expect to be Uncomfortable**

Growth and comfort can't co-exist.





# Focus On What We Can Become

Lava can unlock new abilities for our inner ministry superhero.





# **History of Lava**

From e-commerce to digital ministry.





#### What Lava Is

- Template Language
- Bridge between the data in Rock and the content on a page.

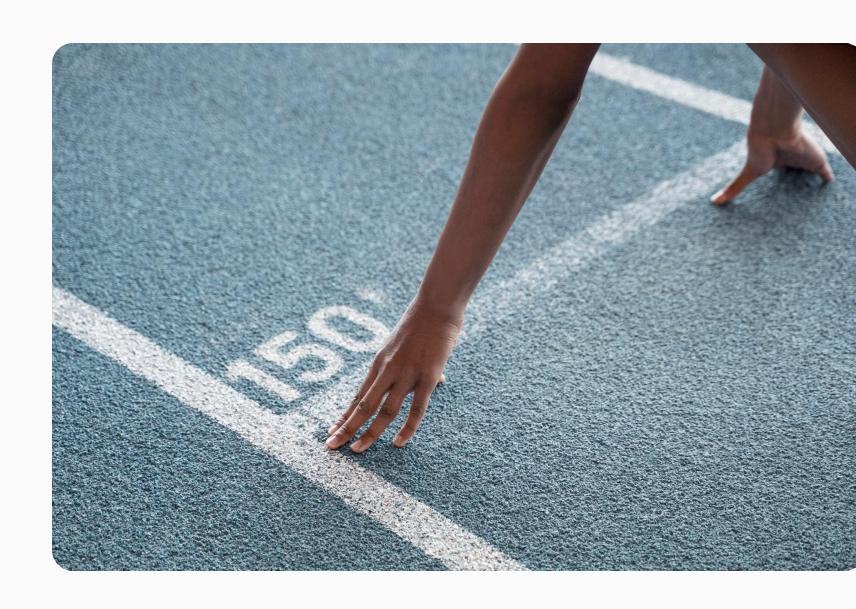
### What Lava Is Not

- A programming language.
- It's not hard... really... 😊



### Let's Go!

Enough talk, let's get started!





#### Lava Basics

```
1 <h1>Hello World</h1>
2 
3          Excited and nervous, we embark on our
4          coding journey.
5
```



#### **Hello World**

Excited and nervous, we embark on our coding journey.



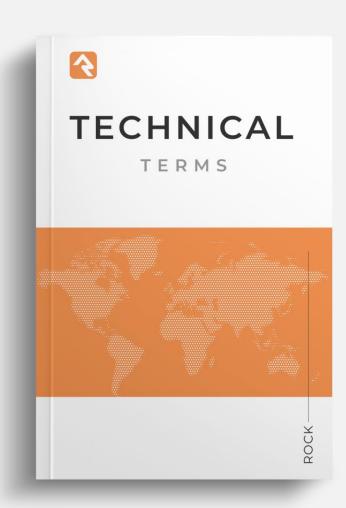
# literal [lit-er-uhl]

A value that is directly written into the source code of a program.



#### **Demystified:**

The text is 'literally' typed into the Lava.





#### **Power of Braces**



# Hello World





## **Pipes Are Filters**

'Hello World' Upcase



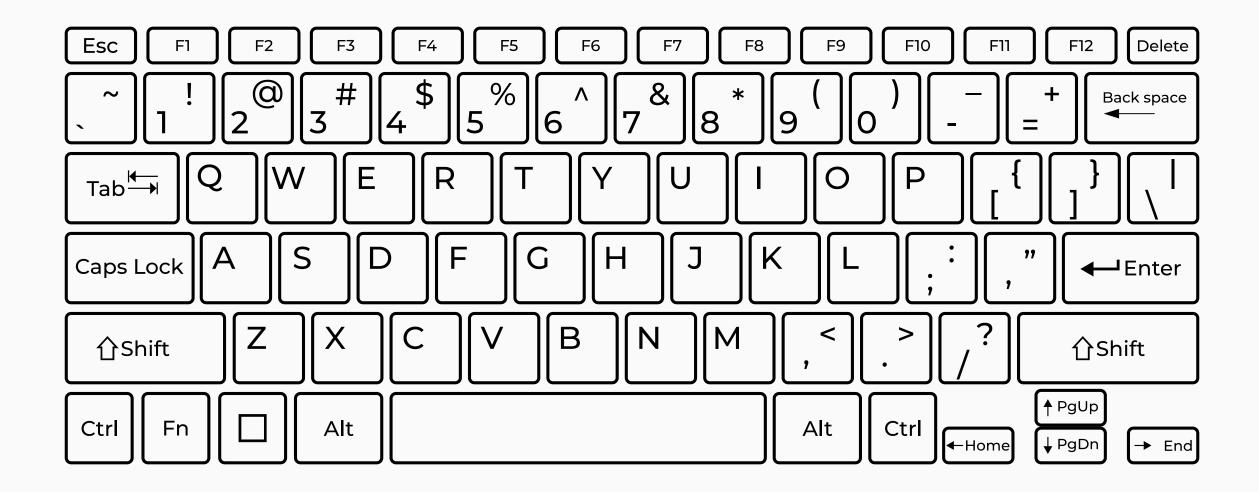
## Pipes Are Filters

```
{{ 'Hello World' | Upcase }}
```

```
{{ 'Hello World' | Upcase }}
```

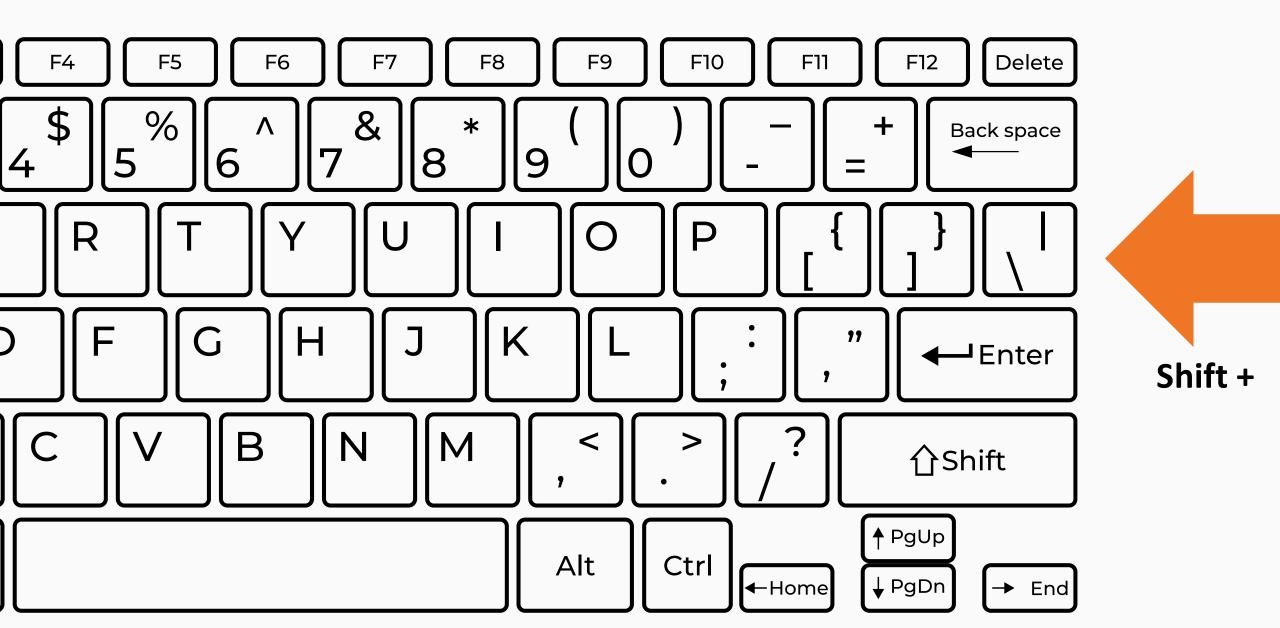


### Where's the Pipe?





### Where's the Pipe?





#### Our First Filter



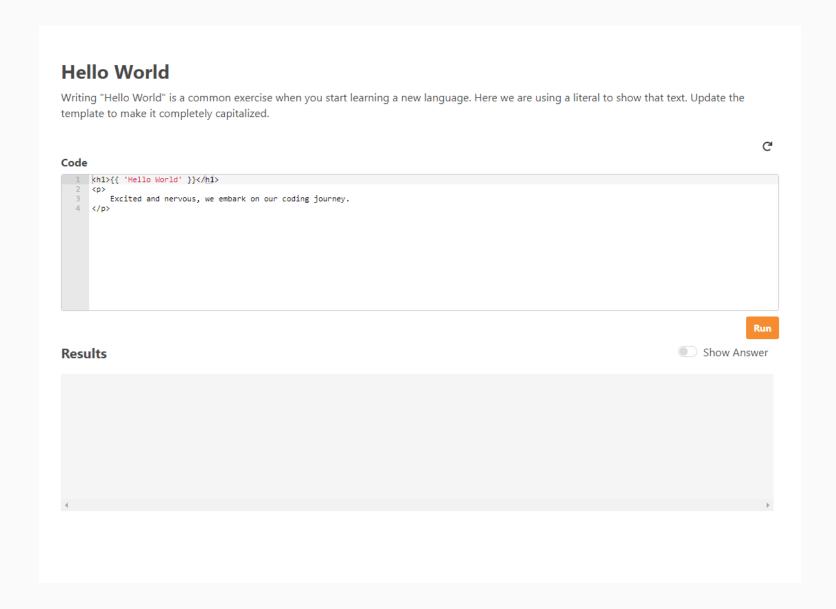
#### **HELLO WORLD**

Excited and nervous, we embark on our coding journey.

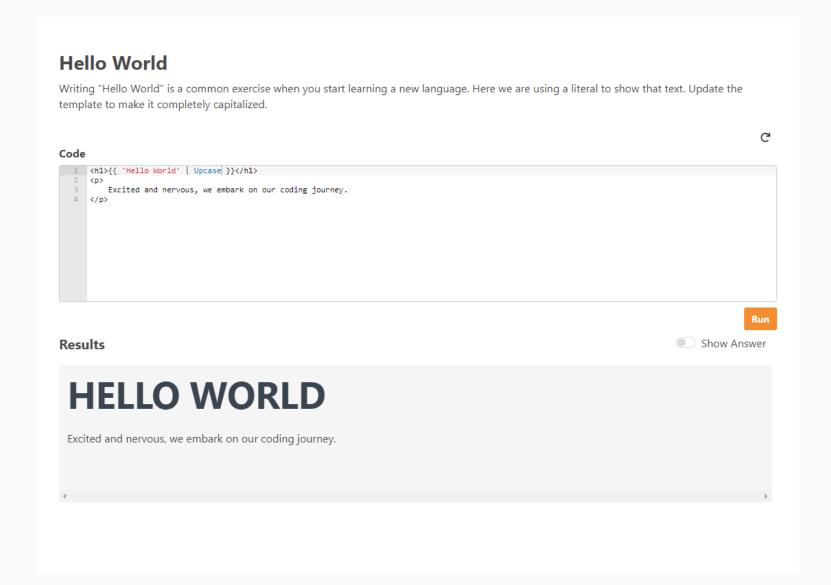




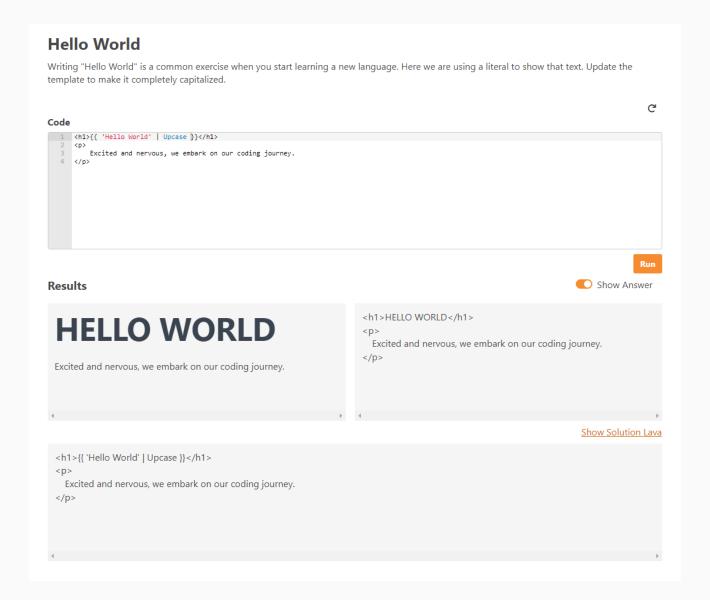




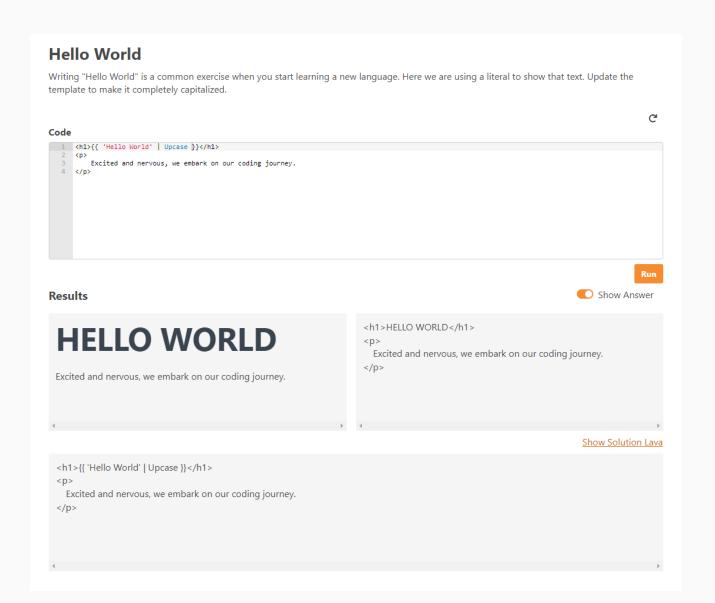














#### Hint:

"Show Answer" will show the desired markup, without revealing the Lava.



#### Our Second Filter



#### **Hello Worlds**

Excited and nervous, we embark on our coding journey.



## What's a Variable?





### Using a Variable

```
1 <h1>{{ CurrentPerson | Upcase }}</h1>
2 
3  We're so glad you're here with us today!
4 
5
```



#### **TED DECKER**

We're so glad you're here with us today!



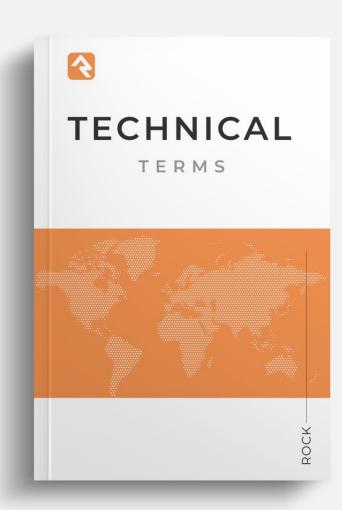
# variable [vair-ee-uh-buhl]

A named storage location whose content can vary in value.



#### **Demystified:**

A variable in programming is like a labeled box for keeping and using things.





# Taking a Step Back

```
1 <h1>{{ CurrentPerson | Upcase }}</h1>
2 
3  We're so glad you're here with us today!
4 
5
```

```
1 "CurrentPerson" {
2    "FirstName": "Theodore",
3    "NickName": "Ted",
4    "LastName": "Decker",
5    ...
6 }
7
```

#### **TED DECKER**

We're so glad you're here with us today!



## Lava Tags

Taking Action in Your Templates

#### **Filters**

```
1 {{ CurrentPerson | Upcase }}
```

Filters display and format variables.

### Tags

```
1 {% assign favoriteAnimal = 'Bear' %}
```

Tags or 'commands' perform specific actions or control the flow of the template.



# Anatomy of a Variable

Three Types of Variables

#### **Primitives**

favoriteAnimal

Bear



# Types of Primitives

String

1 {% assign favoriteAnimal = 'Bear' %}



#### **Demystified:**

A 'string' of characters. B-e-a-r





# Types of Primitives

String

Number

Boolean



```
1 {% assign favoriteAnimal = 'Bear' %}
```

```
1 {% assign favoriteNumber = 3 %}
```

```
1 {% assign isSunday = true %}
```



### Variable Names

```
1 {% assign campusLocationPhone = '(623) 867-5309' %}
```

Variable names should be in





# Anatomy of a Variable

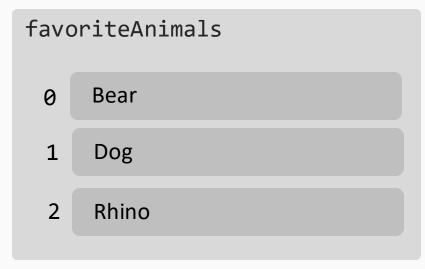
Three Types of Variables

#### **Primitives**

favoriteAnimal

Bear

#### Arrays



Arrays are collections that allow you to store multiple bits of information of the same type. Each 'slot' is numbered starting at zero. Think of an array as a list.



# Anatomy of a Variable

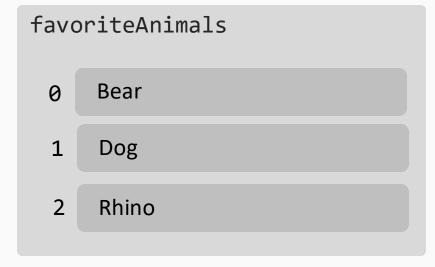
Three Types of Variables

#### **Primitives**

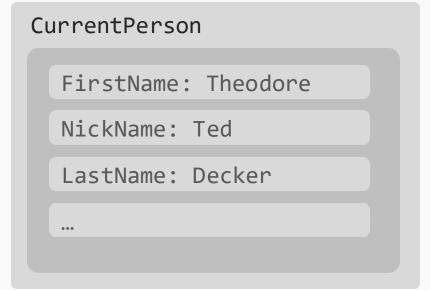
favoriteAnimal

Bear

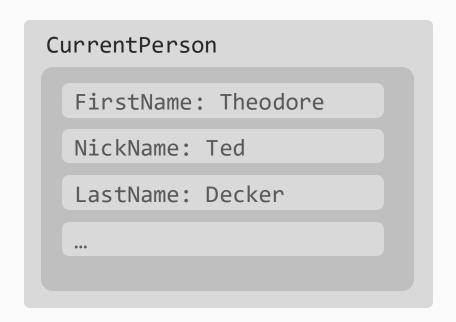
#### Arrays



#### **Objects**



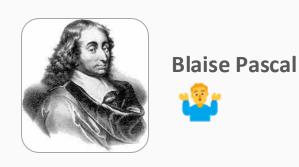




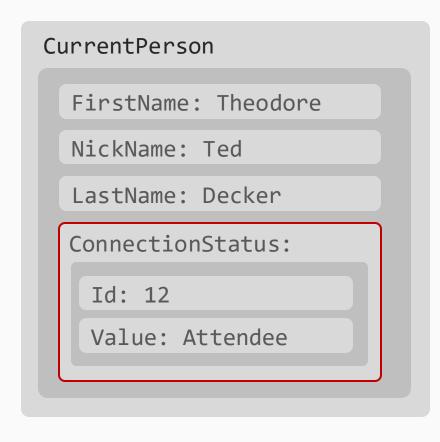
Objects are made up of properties.

```
1 {{ CurrentPerson.NickName }} {{ CurrentPerson.LastName }}
```

Object and Property names should be in Pascal Case.







Properties can be objects.

```
{{ CurrentPerson.ConnectionStatus.Value }}
```

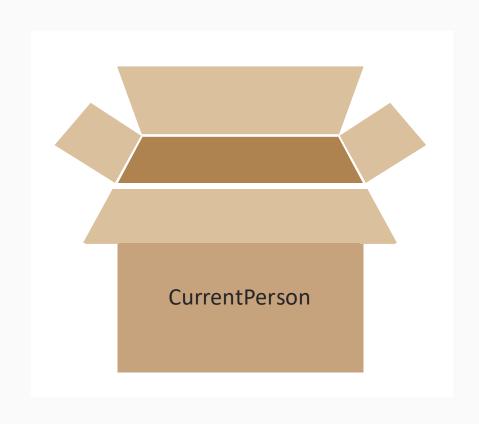














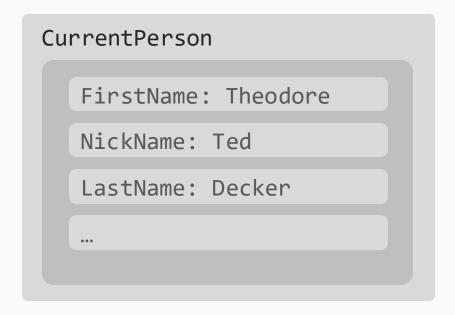




## **Getting Data**

Two ways to get data

#### Merge Fields (Provided by Block)



# Name: Ted's Group Description:

# Merge Fields are variables provided by blocks.

- Common Fields
  - CurrentPerson
  - CurrentVisitor
  - Campuses
  - CurrentBrowser



## **Getting Data**

Two ways to get data

#### Get it Ourselves

**Entity Commands** 

SQL



#### Don't Fear!



# Commenting

```
1 {% comment %}
2 This is a comment
3 {% endcomment %}
```

A love letter to your future self.

1 //- This is a single line comment

```
1 /-
2 This Lava may seem complex, but let me explain it to you...
3 ...
4 See, that was not so bad, right?
5 -/
```

Use simple comments.