scratch.mit.edu

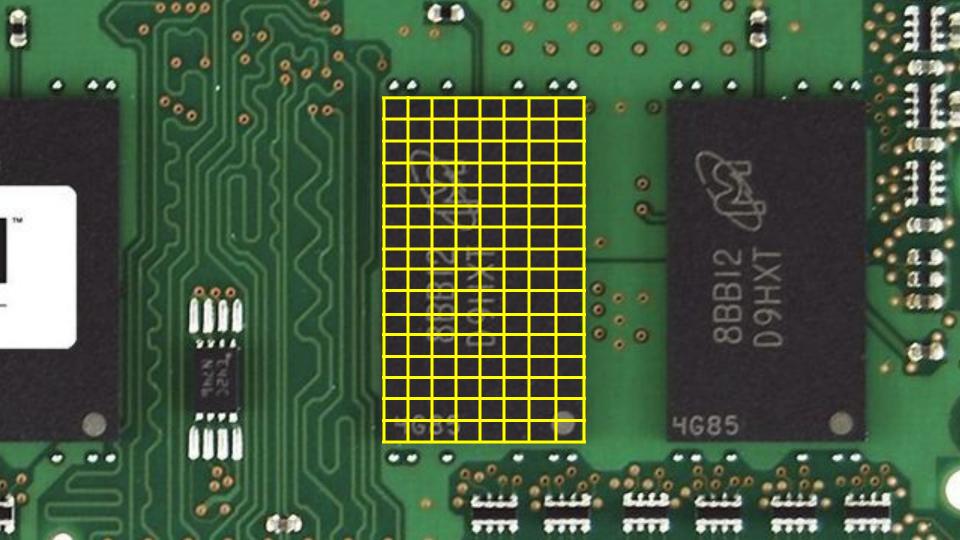
This is CS50 for MBAs.

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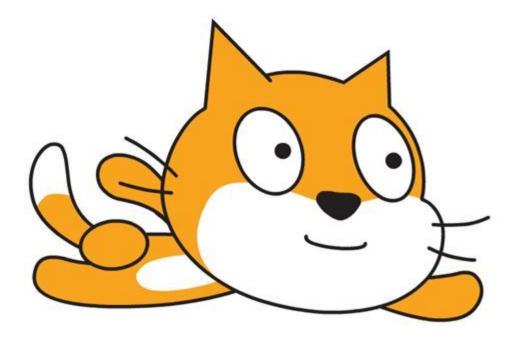


abstraction



If no items Return false If middle item is 50 Return true Else if 50 < middle item Search left half Else if 50 > middle item Search right half

Scratch



"... communicating with engineers and understanding technical requirements..."

"... Turning a black box into something I can assess at some level..."

"... find it challenging to make sound business decisions without basic understanding of computer science and relevant topics."

"... understand how tech gets used to code new things..."

"... better be able to engage with my engineer and software counterparts..."

Vocabulary

Conditionals

Loops

Events

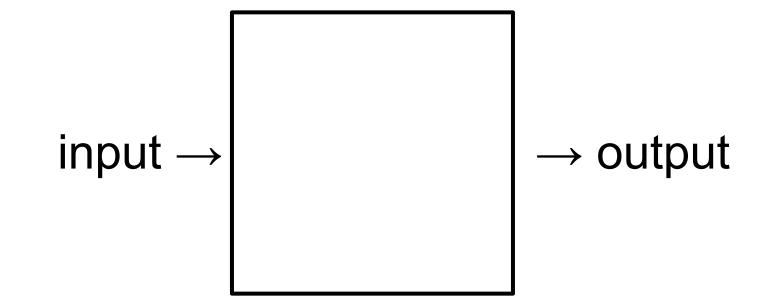
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Variables

Functions

Boolean Expressions

Inputs ("Arguments")



Vocabulary

Conditionals

Loops

Events

Variables

Functions

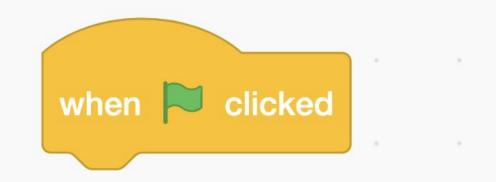
Boolean Expressions

Arguments ("Inputs")





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When Clicked

Create a project where a user gets a surprise whenever they click on the stage or a sprite.

https://cs50.ly/scratch

Vocabulary

Conditionals

Events

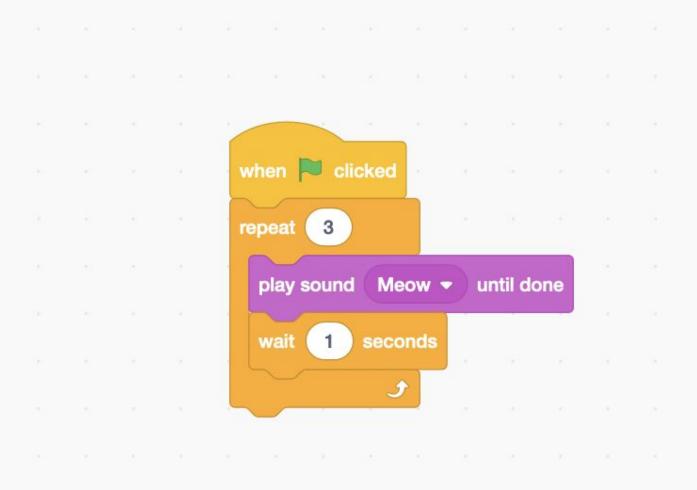
Loops

Variables

Functions

Boolean Expressions

Inputs ("Arguments")



Loops

Add a repeat or forever block to the *next person*'s project.

https://cs50.ly/scratch

Vocabulary

Conditionals

Loops

Events

Variables

Functions

Boolean Expressions

Inputs ("Arguments")

Vocabulary

Conditionals

Loops

Events

Functions

Variables

Boolean Expressions

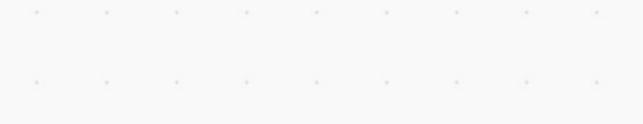
Inputs ("Arguments")

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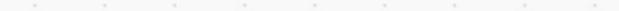


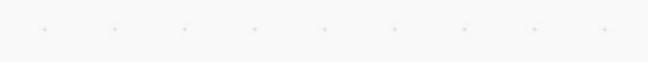
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Variables and Conditionals

Add a variable to the *next person*'s project to change how something happens.

https://cs50.ly/scratch

Vocabulary

Conditionals

Loops

Events

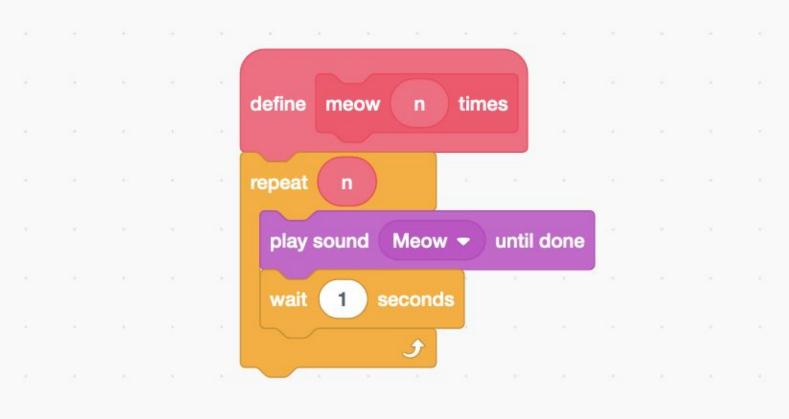
Variables

Functions

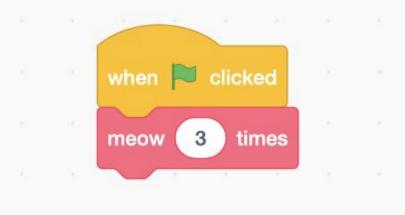
Boolean Expressions

Inputs ("Arguments")

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Functions

Create a function in your project that *abstracts away* some underlying complexity.

https://cs50.ly/scratch

Scratch project due along with Assignment 1

Submit via the CS50 for MBAs Gradescope page.

Elements in your project

One custom block, or "function"

Two characters , or "sprites"

One conditional, one loop, and one variable



This was CS50 for MBAs.

hbs@cs50.harvard.edu