

Intro to Programming with Scratch



Lesson 6

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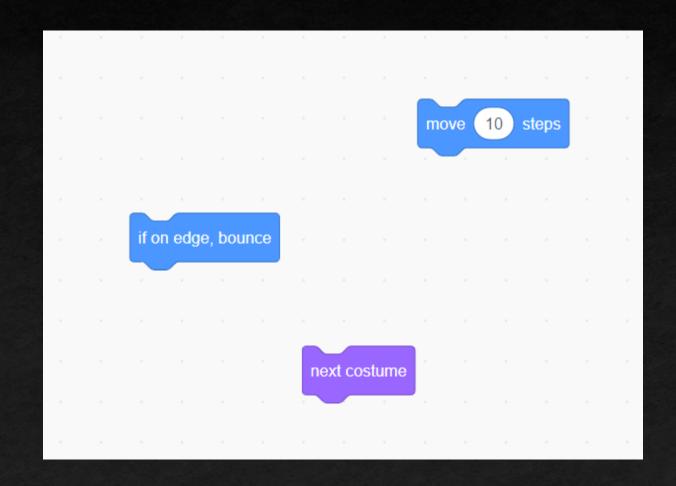


Quick Exercise

Have the cat run in corresponding directions when the arrow keys are pressed. Make sure that the cat is facing that direction. When it hits the edge, the cat should change its face direction.



Functions





functions

- · A function executes a series of commands, simple or complex.
- · Has inputs and outputs
- · So far, you are using pre-defined functions.

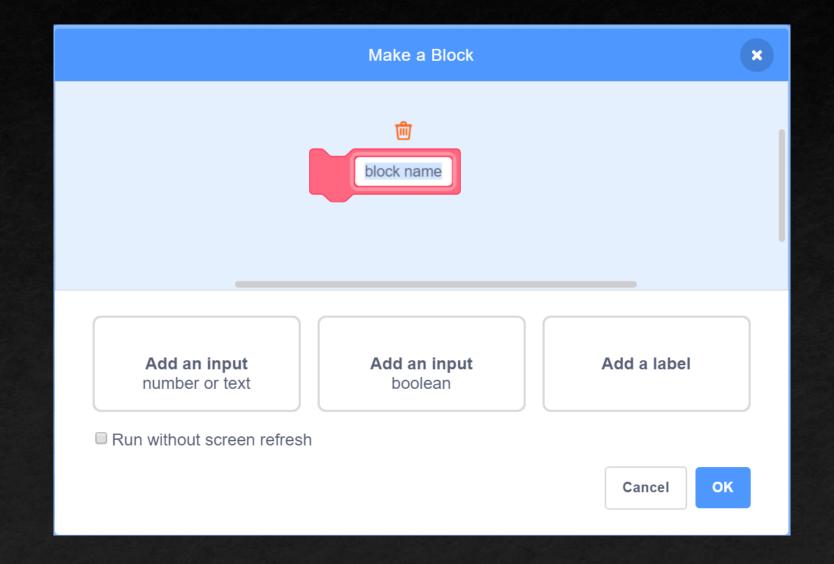


Benefits

- Abstraction
 - Saves time
 - · Easy to use
 - extensive

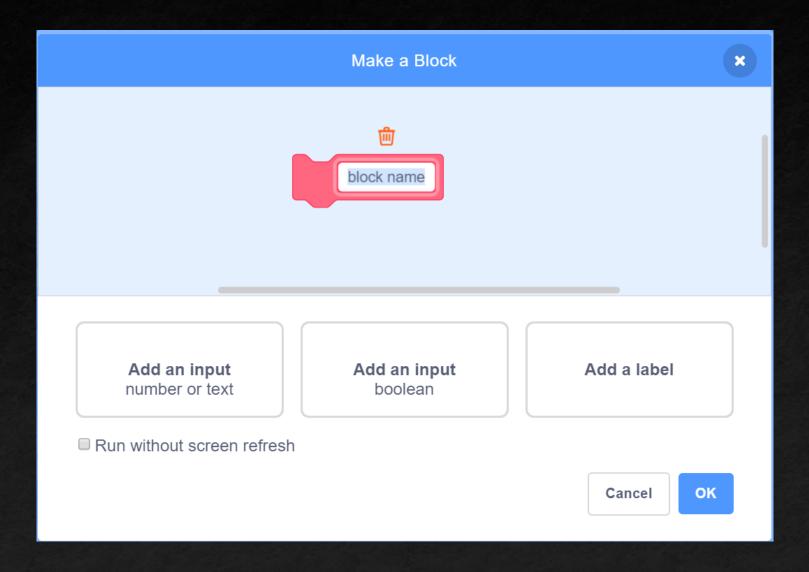


Create a block





Create a block



- You can define the number and type
 of your input
- Name the block however you want



Exercise

· Refine the cat exercise you just wrote with your own function



Exercise

 Write up your own version of "if on edge, bounce" without actually using the block





Exercise

Waiter Cat:

- · Create your own menu and display it
- · Have the waiter cat ask the user "what do you want to eat"
- Then ask the user "the amount of food that you want"
- · Display it