# Characters

## 1
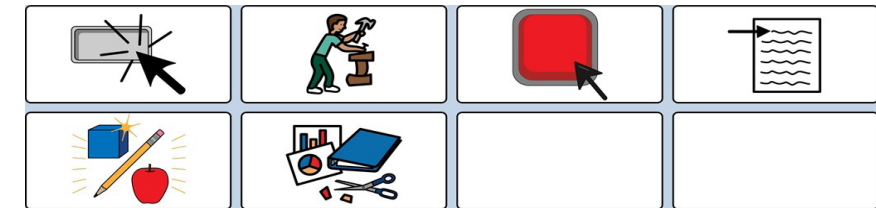**Go to the Scratch at https://scratch.mit.edu/**

http://scratch.mit.edu

https://scratch.mit.edu

## 2
**Sign into your account.**

Join Scratch   Sign in

Join Scratch   Sign in

Username

Password

Sign in   Need help?
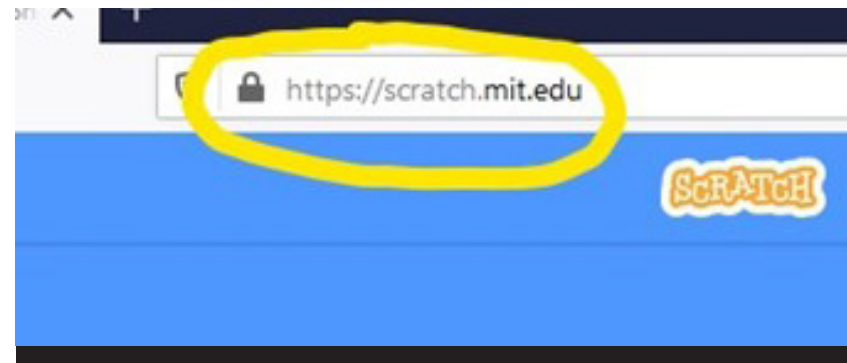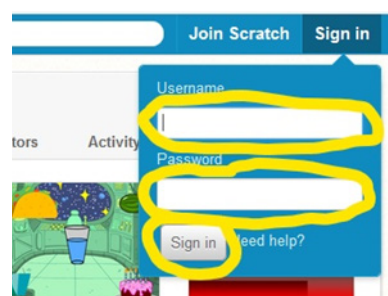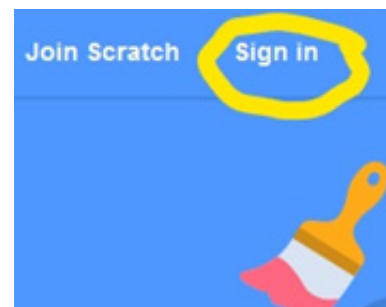
## 3
**Click "create" button to start new project.**

Create   Explore   Ideas

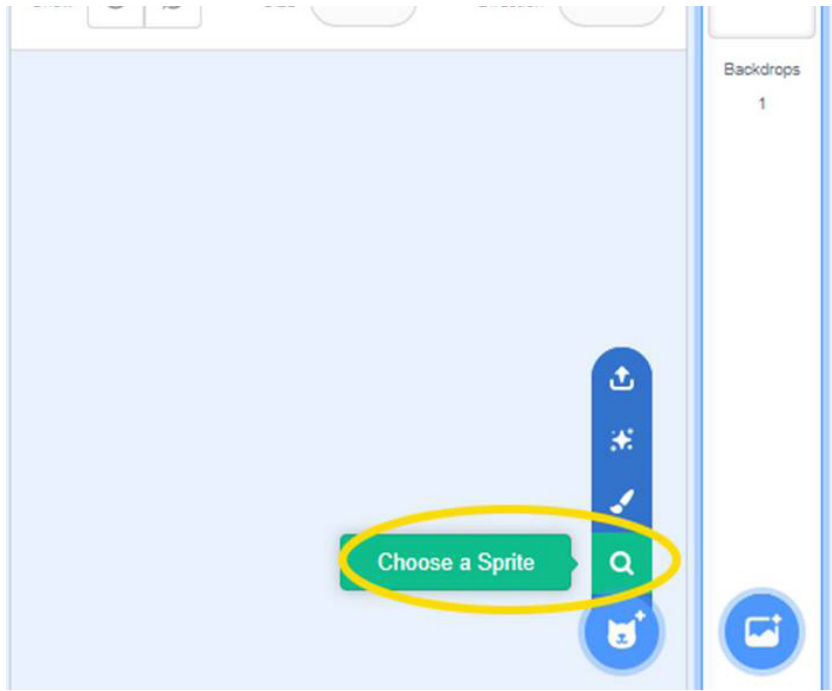Welcome to Scratch!
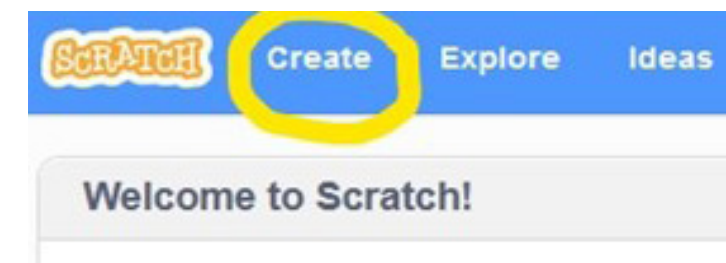
## 4
**Tap on "trash" icon on the top left corner of the "Cat" sprite/ character to delete this sprite.**

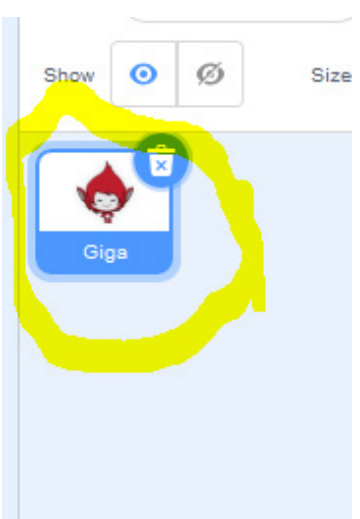Sprite   Sprite1   ↔ x   0

Show   Size   100   Direc
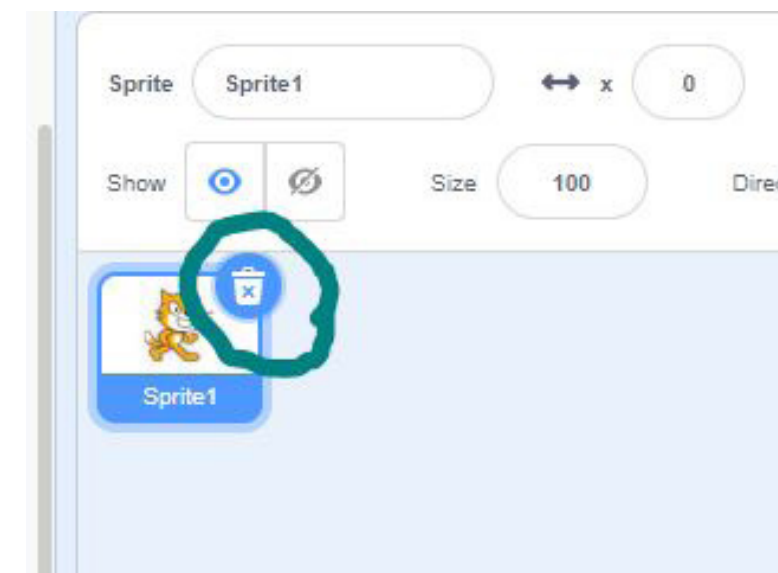
Sprite1
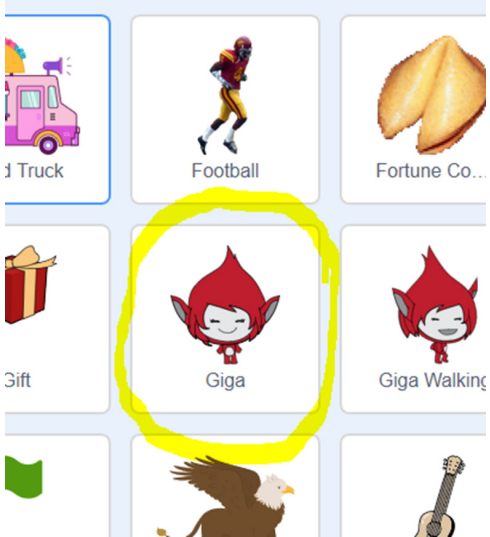
**5** Move your mouse over the "Choose A Sprite" button on the bottom right corner of the Sprite window, and move your mouse up to tap on the "Search" icon to look for a new sprite (character).
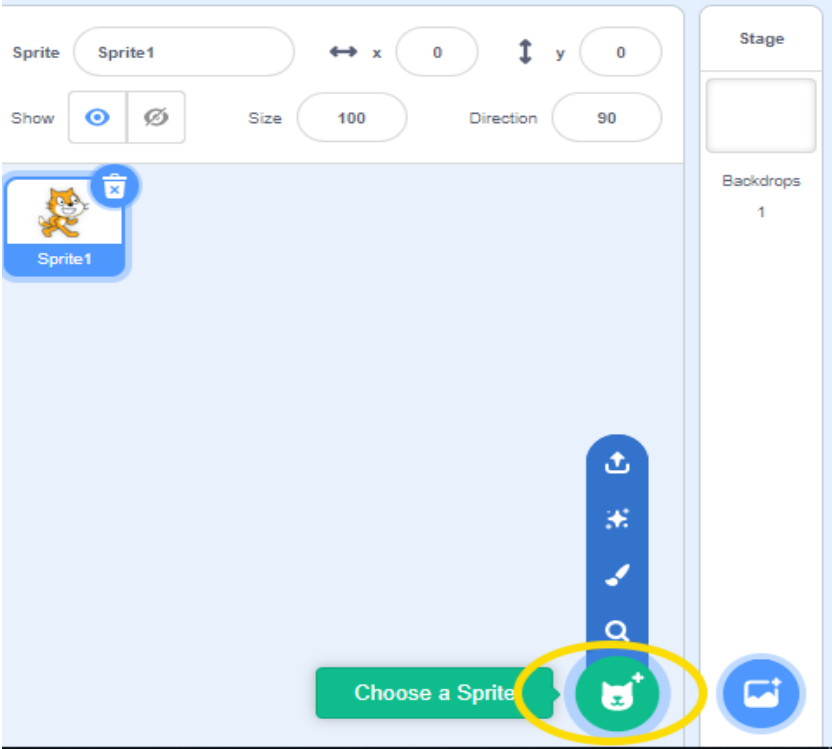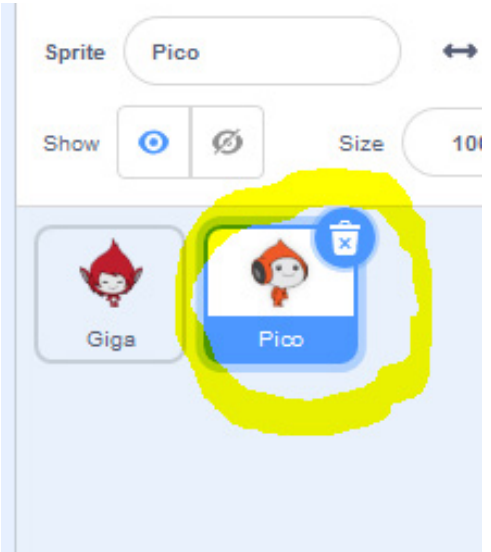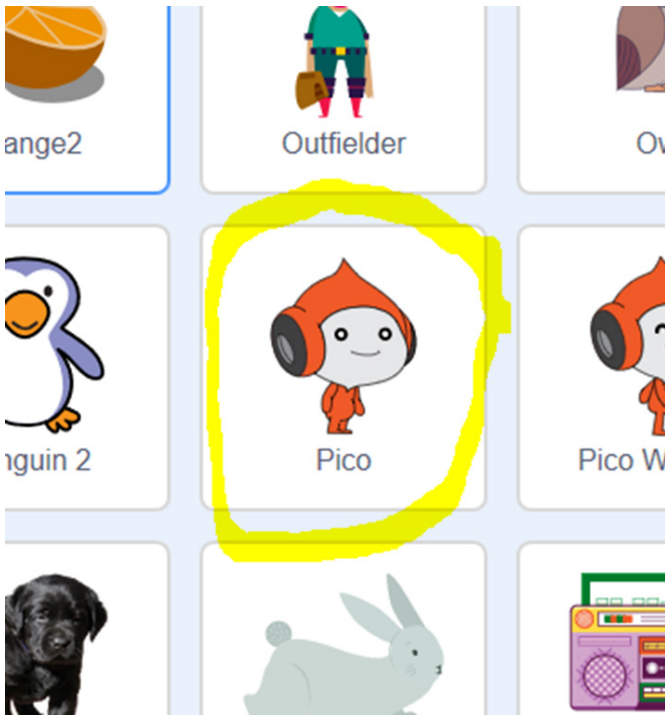


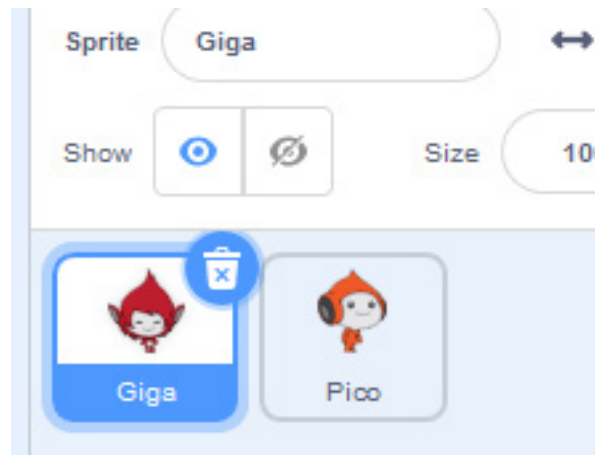**6** Choose one from the list of characters that come up.



**7** Move your mouse over the "Choose A Sprite" button once more and tap on the "Search" icon to look for another character (sprite).
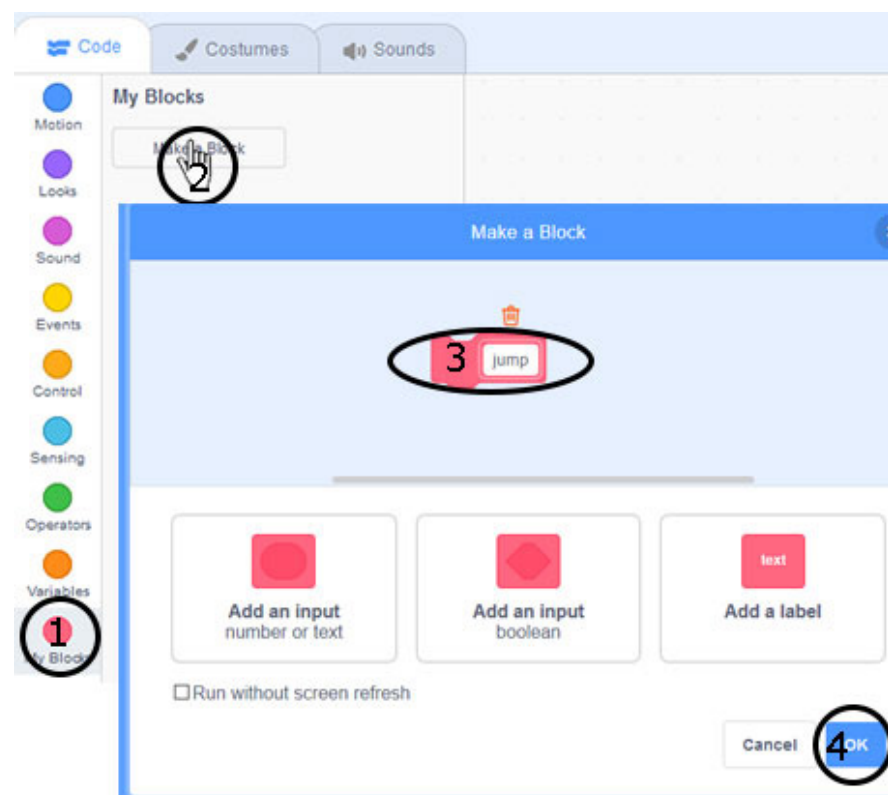
**8** Select one of the characters to attach a set of codes to (sequences).

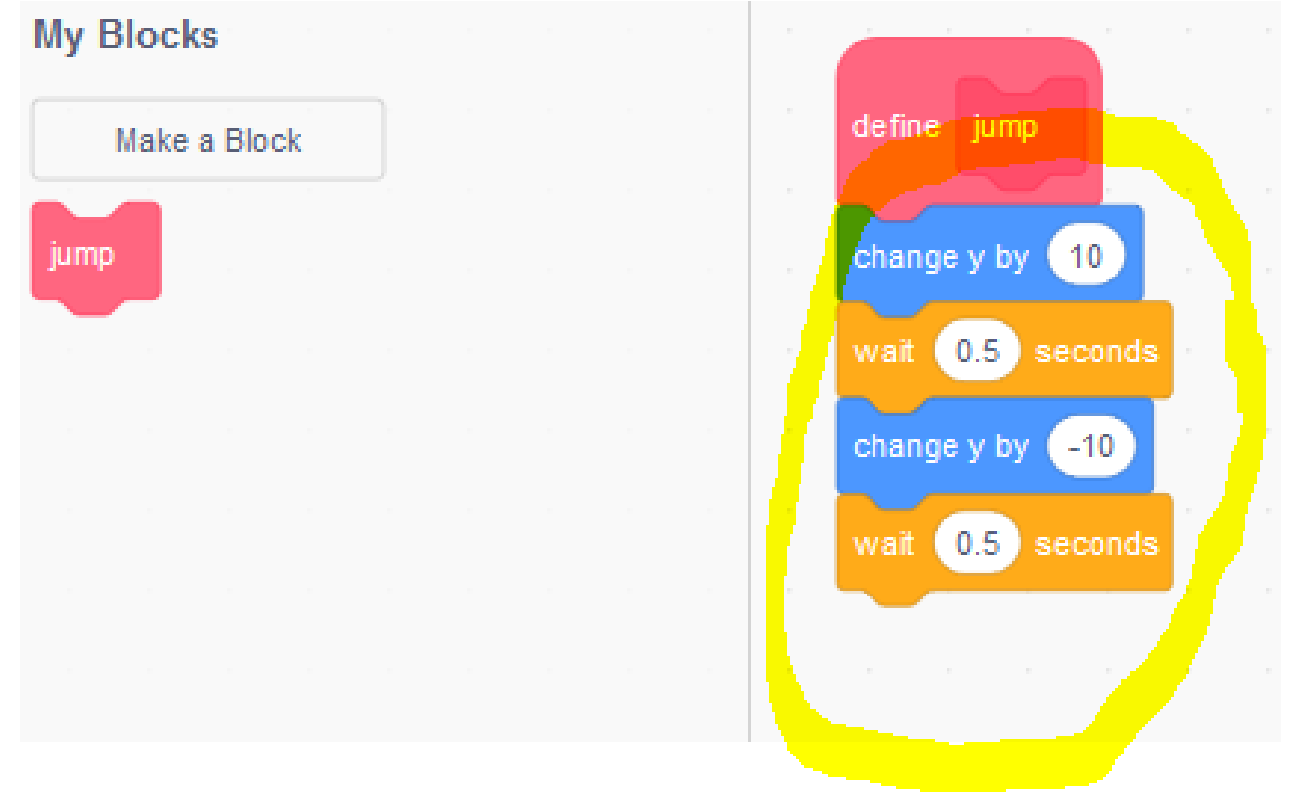Sprite   Giga   ↔

Show  ◉  ∅    Size   10(

Giga    Pico

**9** Tap on the "My Blocks" Scratch block category, tap on "Make a Block" feature under "My Blocks", name the block, i.e., "jump", and tap "OK" to create your Scratch block.

Code   Costumes   Sounds

Motion   My Blocks

Looks

Sound   Make a Block

Events

Control    3  jump

Sensing

Operators

Variables

My Blocks   Add an input    Add an input    Add a label
number or text    boolean

☐ Run without screen refresh

Cancel  4 OK

**10** Add the following blocks under the "Define" block to control what your "jump" block will do.

My Blocks

Make a Block      define  jump

jump      change y by  10

wait  0.5  seconds

change y by  −10

wait  0.5  seconds

**11** Tap on "Events" Scratch Block category on the left, grab and drag the "When Clicked" Scratch Block over the Sprite area on the right side and leave it right next to the define blocks sequence.
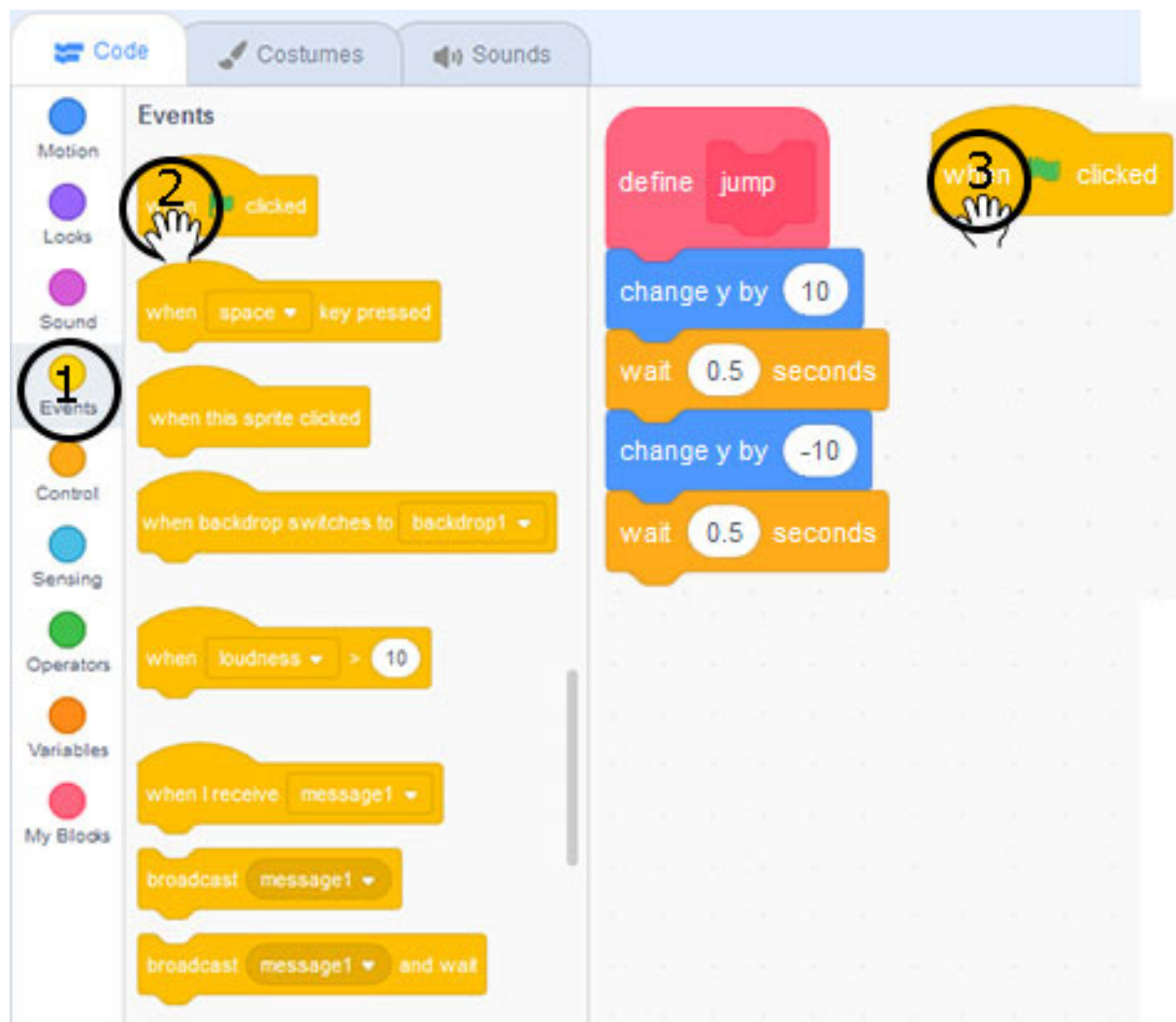


**12** Tap on "Control" block, grab the "Wait 1 seconds" block, drag and leave it just under "When Clicked" block, and change the "1" value for the second to "2" seconds.
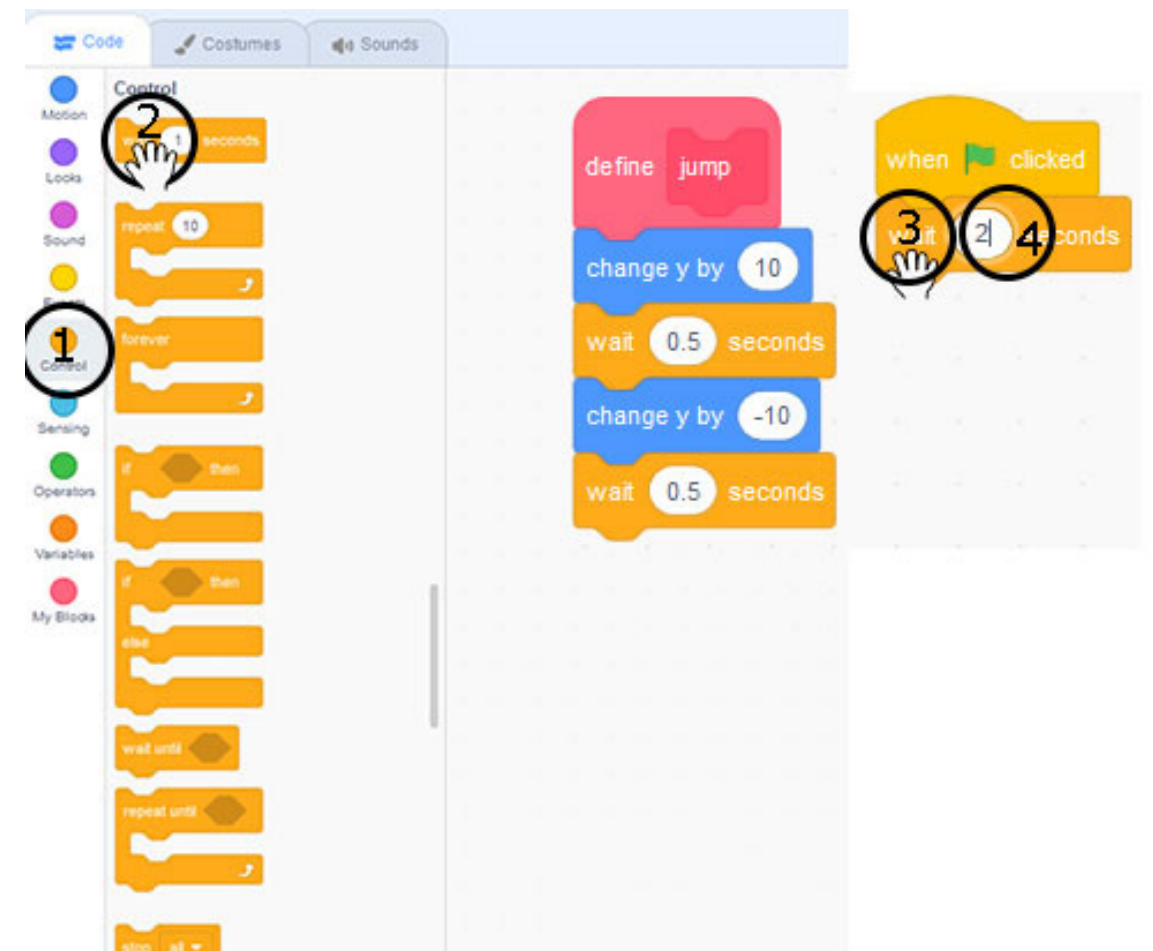
**13** Tap on "My Blocks" block, grab the "Jump" block, drag and leave it just under "Wait 2 seconds" block.



**14** Experiment with creating another of your block for a new behavior and add it to the other character.