

# **Unit 3**

## **Session 1**

# **Characters**

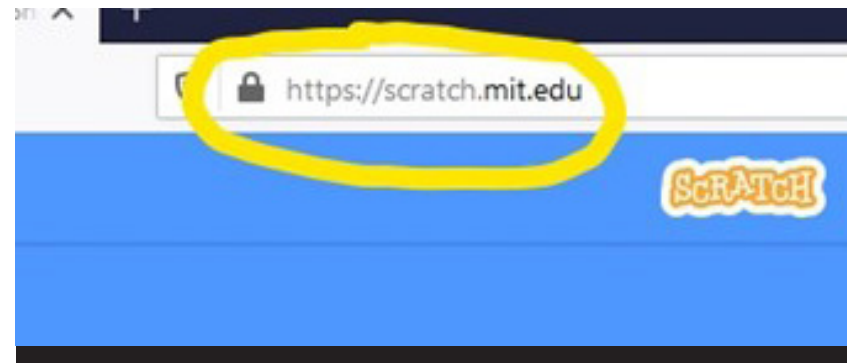
# **Handout**

# Characters



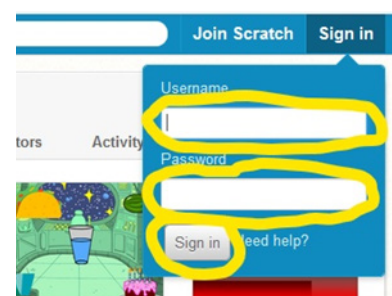
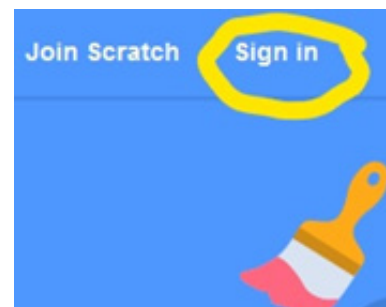
1

Go to the Scratch at <https://scratch.mit.edu/>



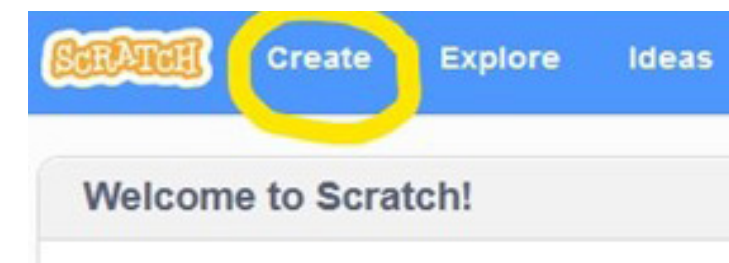
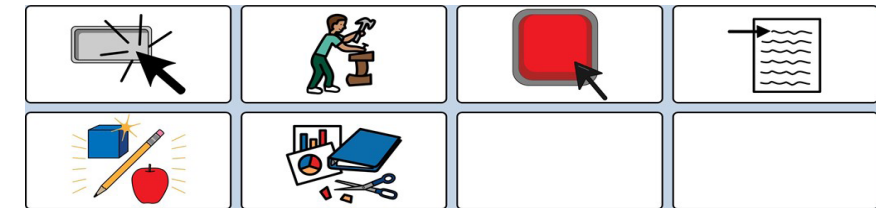
2

Sign into your account.



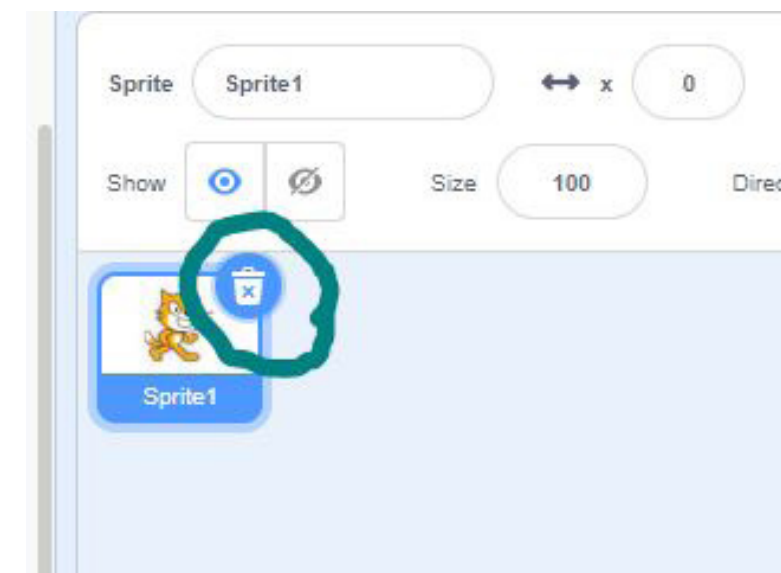
3

Click "create" button to start new project.



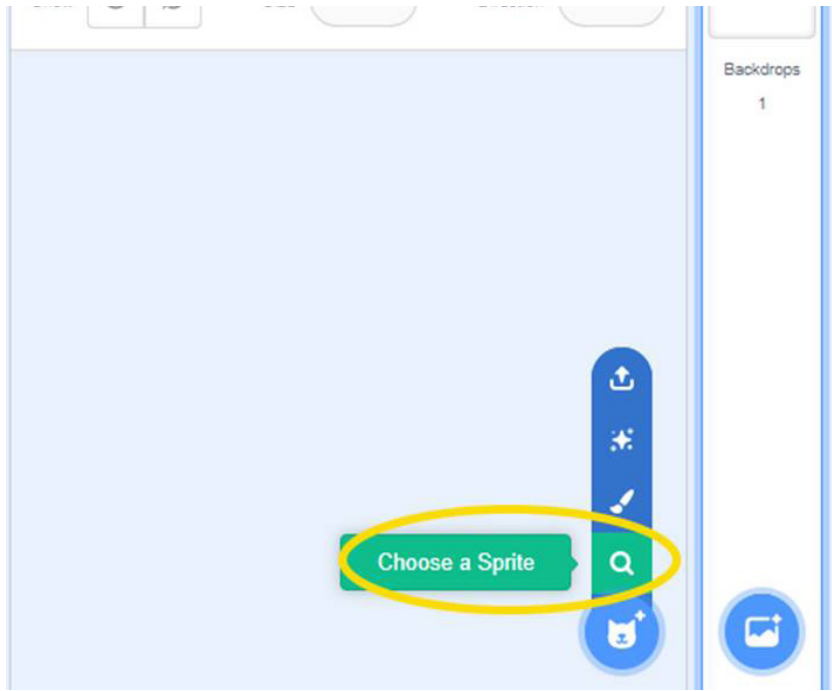
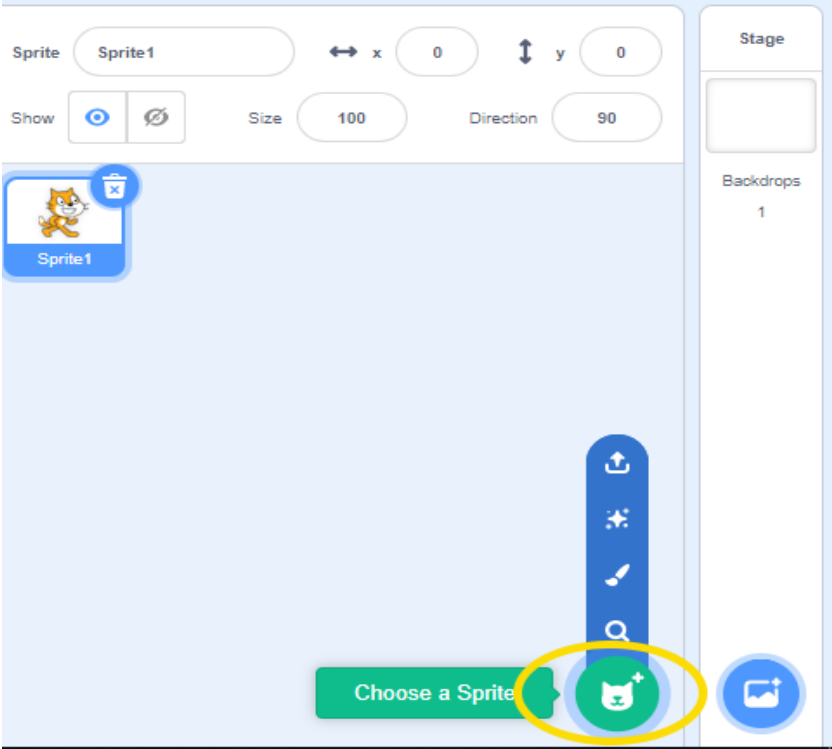
4

Tap on "trash" icon on the top left corner of the "Cat" sprite/character to delete this sprite.



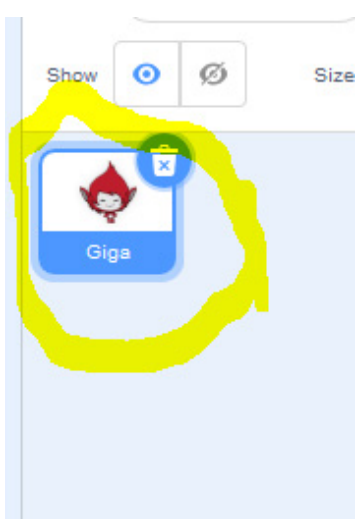
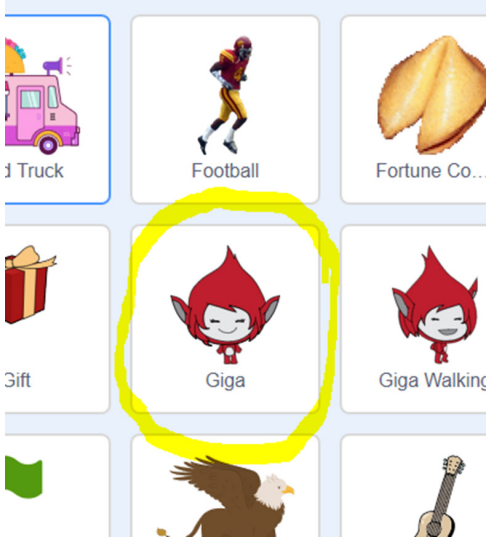
5

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).



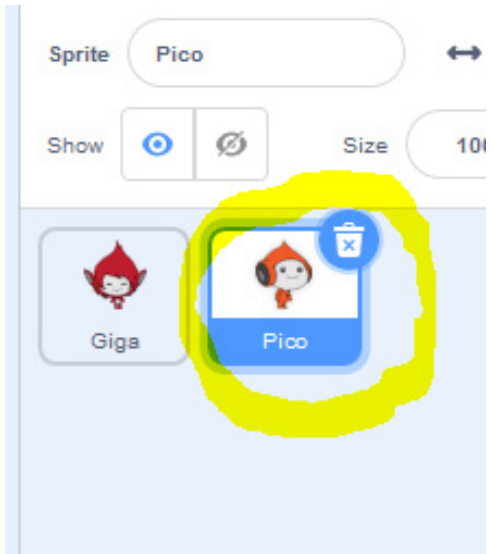
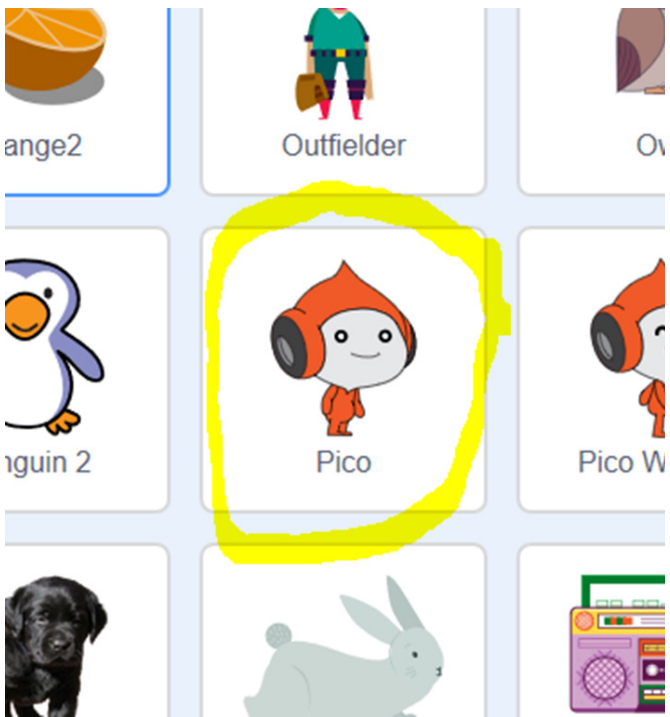
6

Choose one from the list of characters that come up.



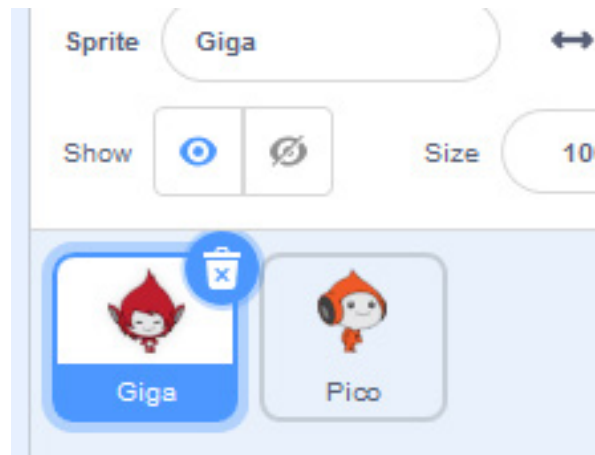
7

Move your mouse over the “Choose A Sprite” button once more and tap on the “Search” icon to look for another character (sprite).



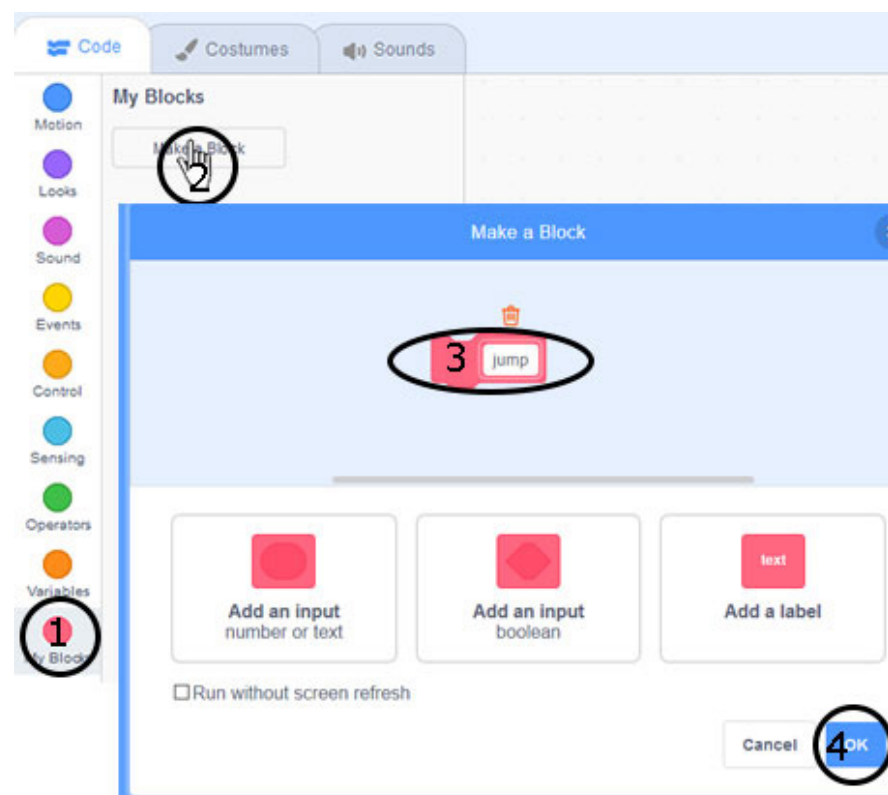
8

Select one of the characters to attach a set of codes to (sequences).



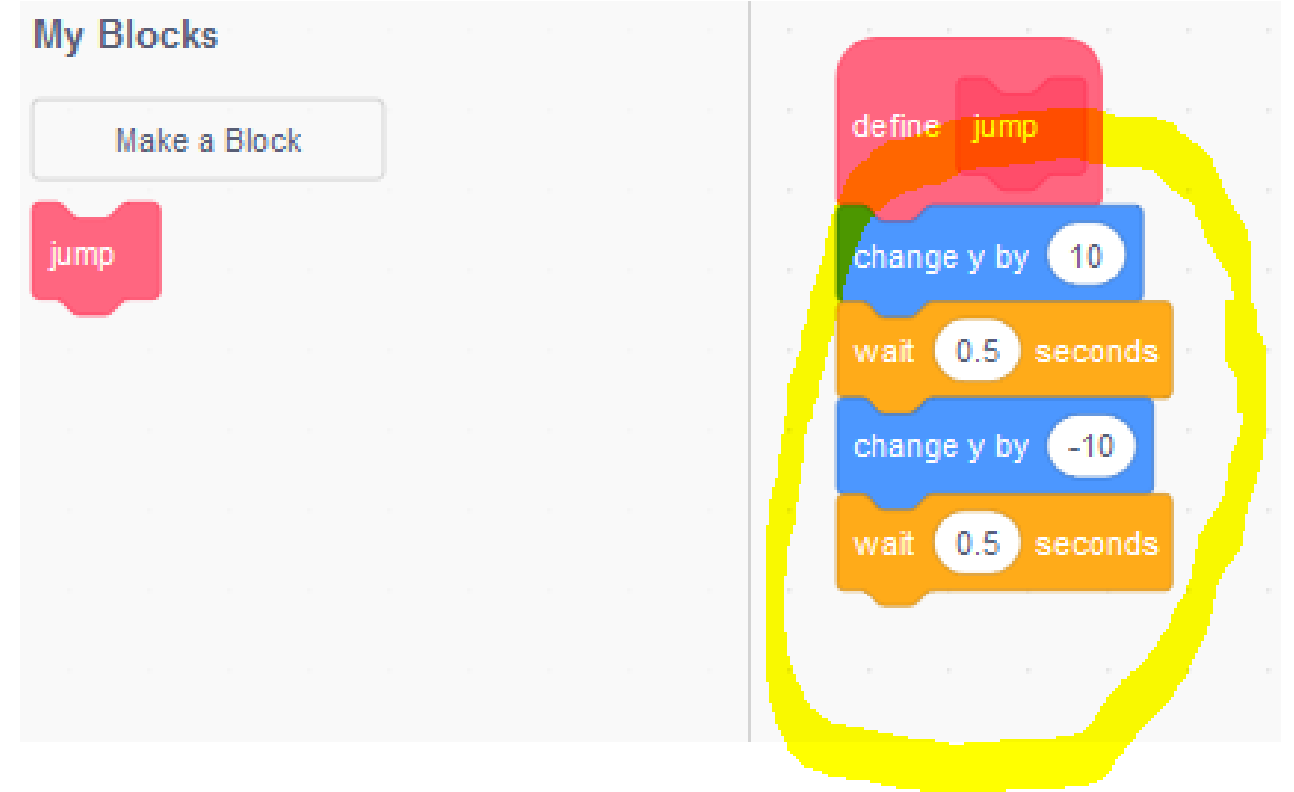
9

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.



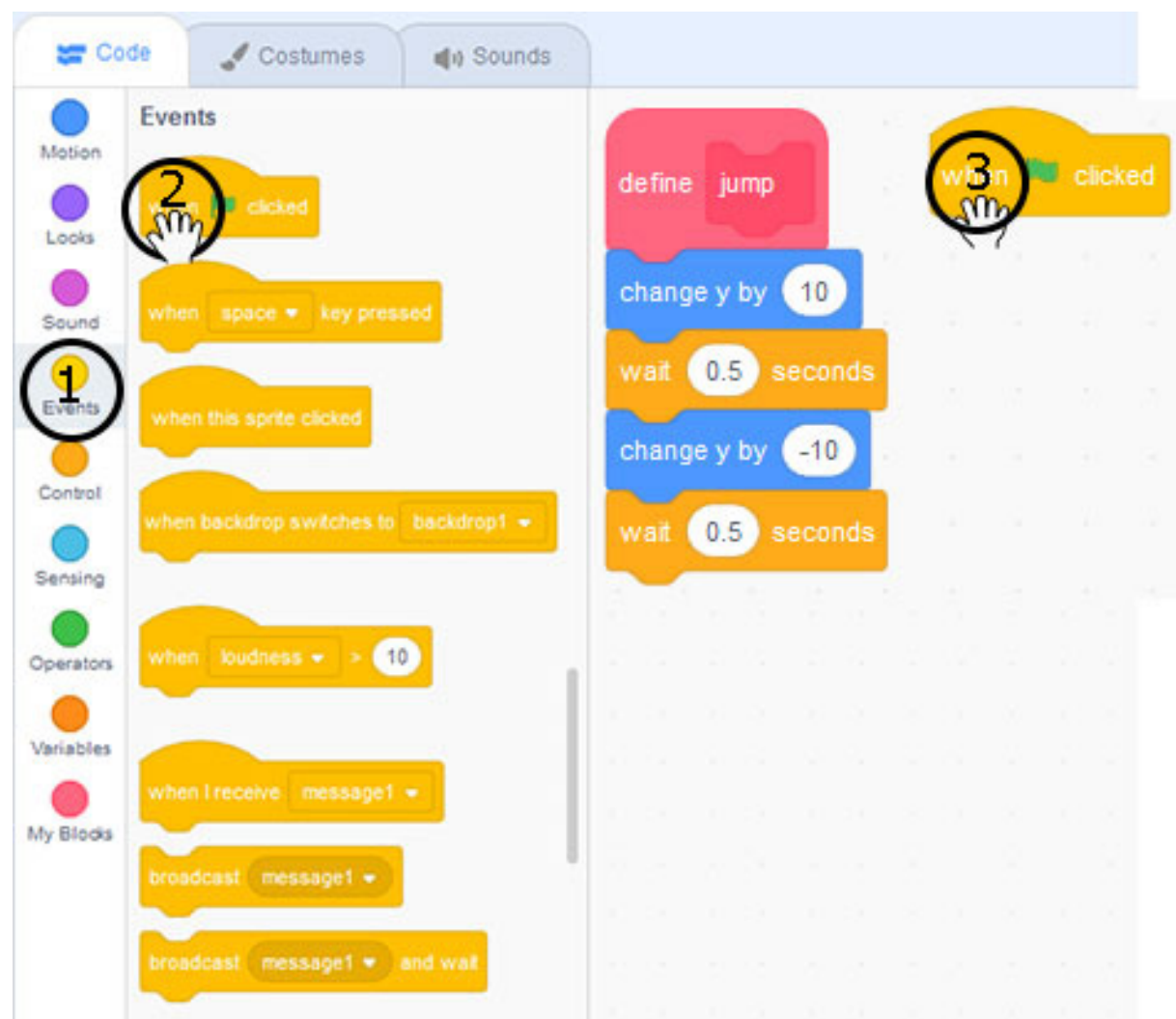
10

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



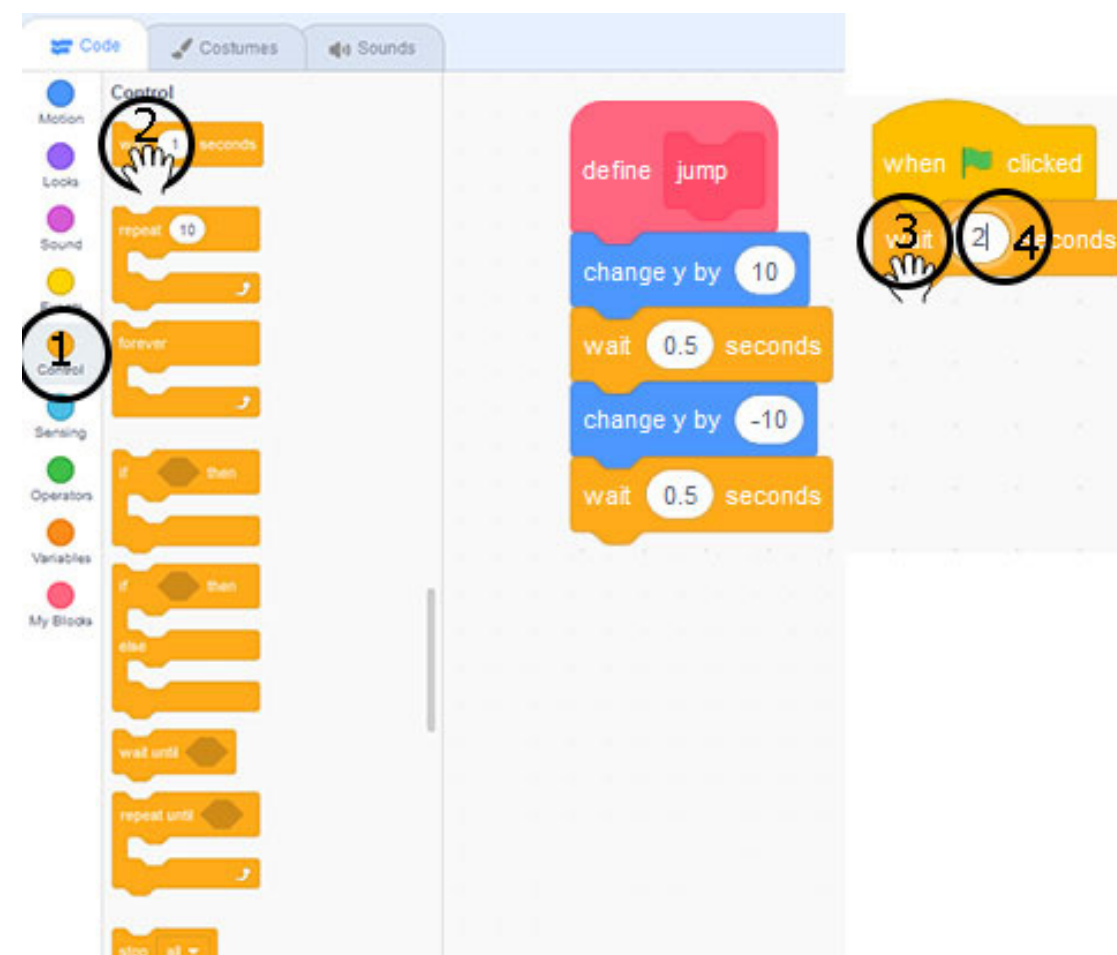
11

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.



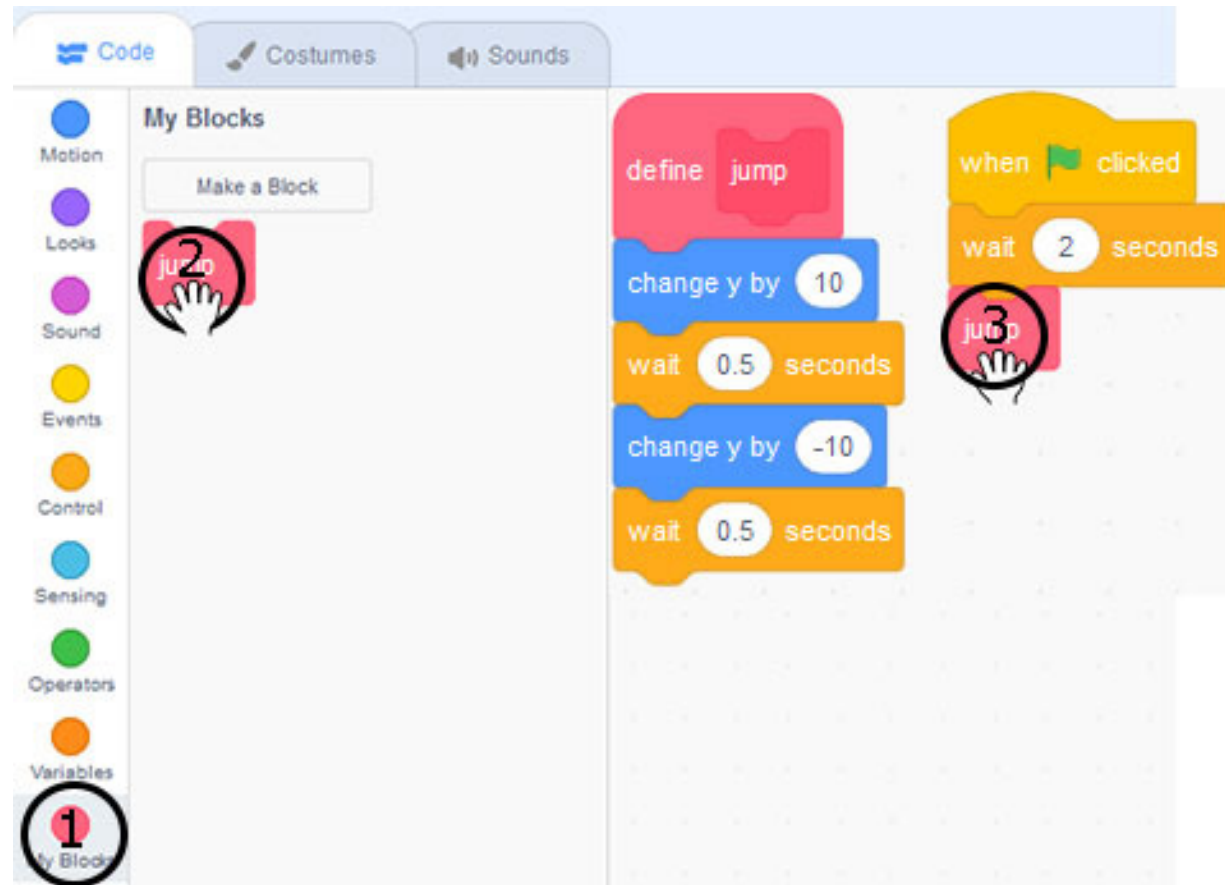
12

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.



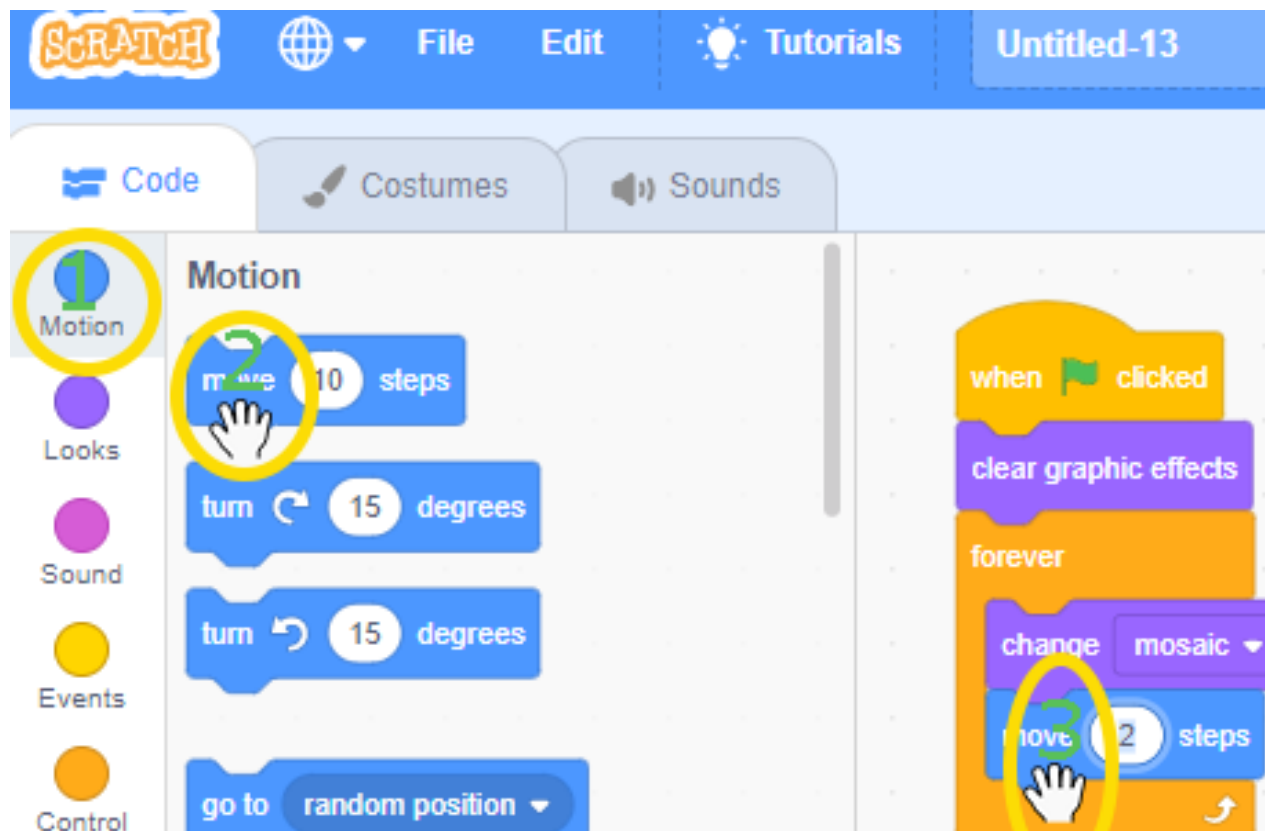
14

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



15

Tap on "Motion" Scratch Block category on the left, grab the "Move 10 steps" Scratch Block and drag it to just below the "Change mosaic by 25" Scratch Block, and tap on the number "10" and change it to "2".



16

Grab the "if on edge, bounce" Scratch Block and drag it to just below the "move 2 steps" Scratch Block, and let go.

