



Initiation to Scratch

Beginner

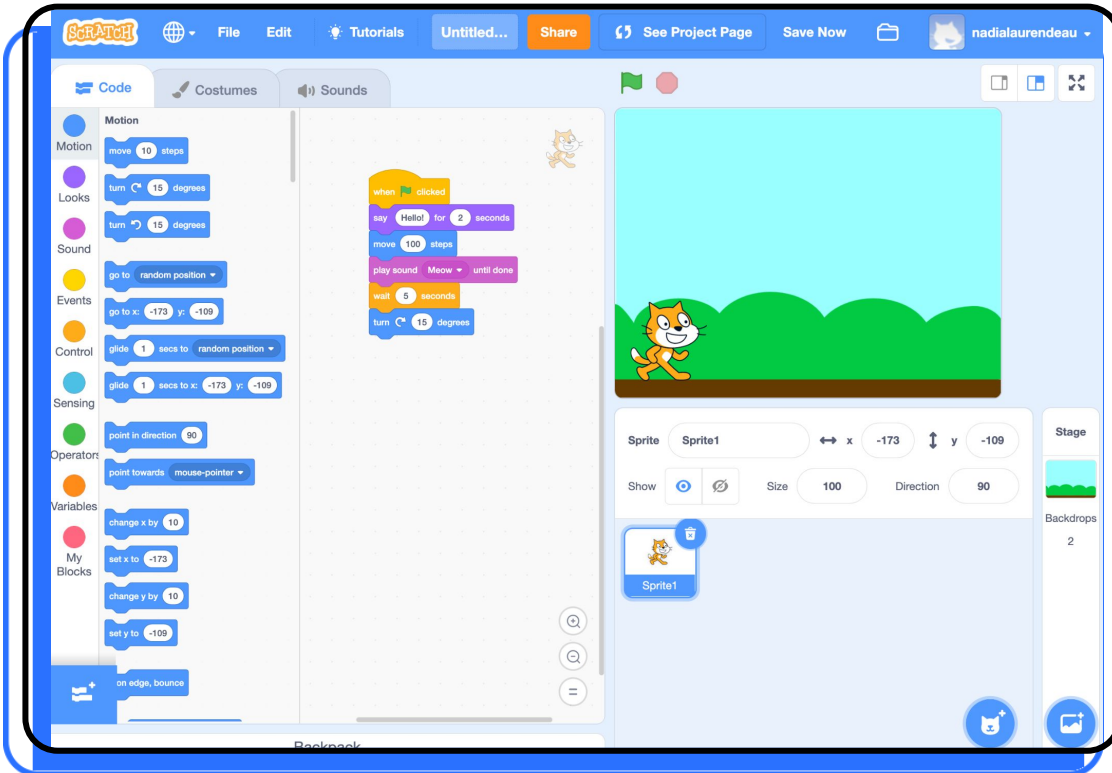


01

- O X

What is Scratch?

Presentation of Scratch



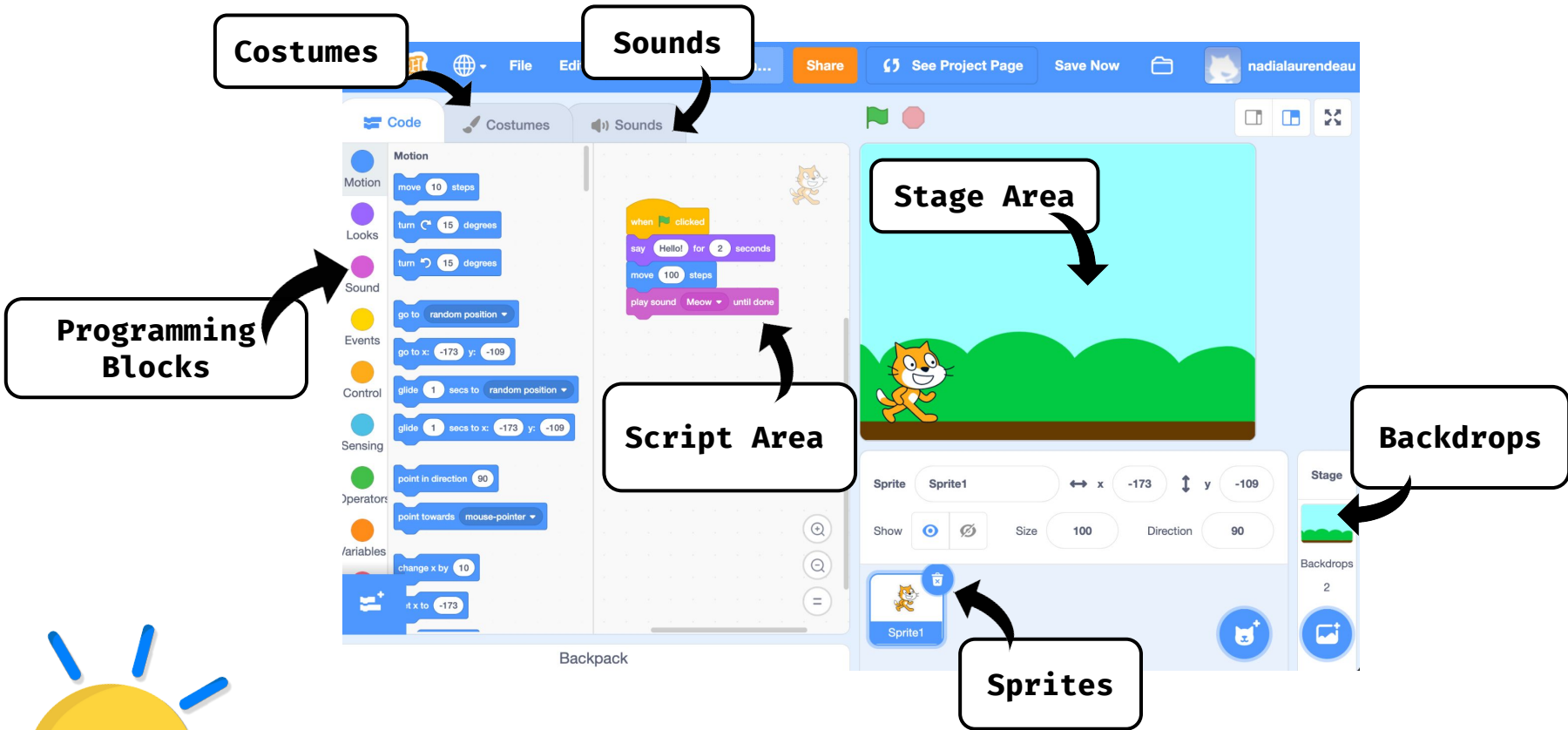
- 1 Do you know Scratch?
- 2 Observe the image.
- 3 What do you think we can do with Scratch?



02

- O X

The Scratch Interface



The image shows the Scratch web interface with several components labeled by callouts:

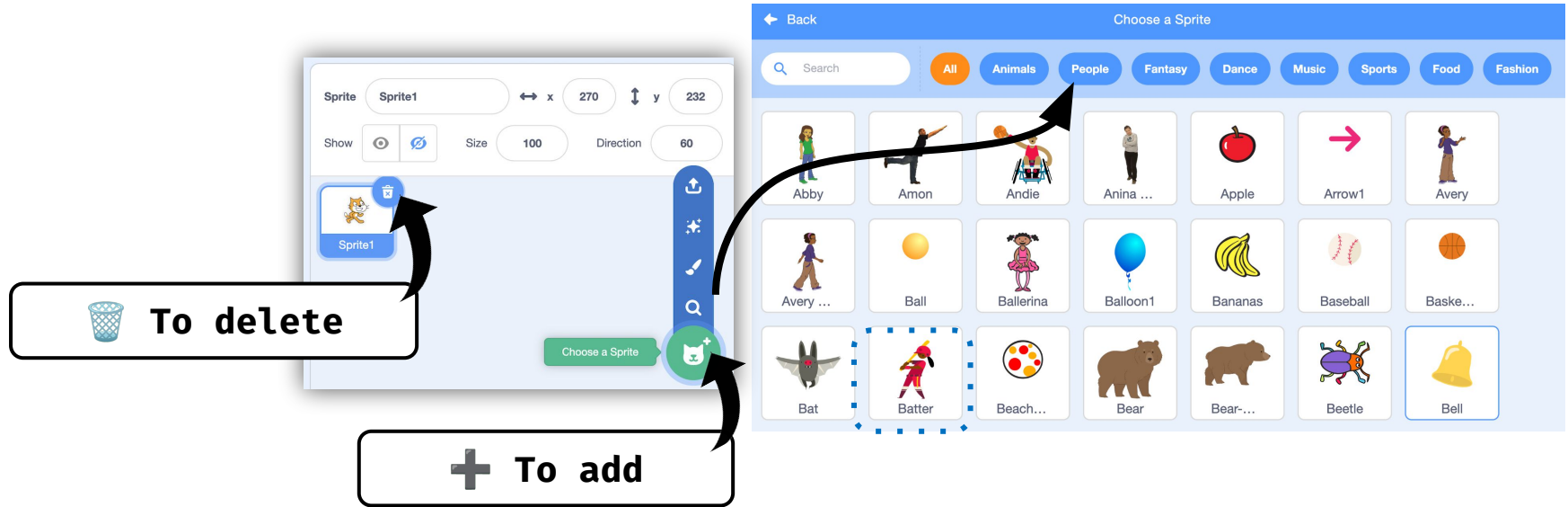
- Costumes**: Points to the 'Costumes' tab in the top navigation bar.
- Sounds**: Points to the 'Sounds' tab in the top navigation bar.
- Programming Blocks**: Points to the 'Code' area on the left, which contains various block categories like Motion, Looks, Sound, Events, Control, Sensing, Operator, and Variables.
- Script Area**: Points to the central workspace where code blocks are assembled. It shows a script starting with 'when green flag clicked', followed by 'say Hello! for 2 seconds', 'move 100 steps', and 'play sound Meow until done'.
- Stage Area**: Points to the stage preview area on the right, which displays a cat sprite on a green hill backdrop.
- Backdrops**: Points to the 'Backdrops' panel on the right, showing a list of backdrops.
- Sprites**: Points to the 'Sprites' panel on the right, showing a list of sprites.

The interface also includes a top navigation bar with 'File', 'Edit', 'Share', 'See Project Page', and 'Save Now' buttons, and a user profile 'nadialaurendeau'.

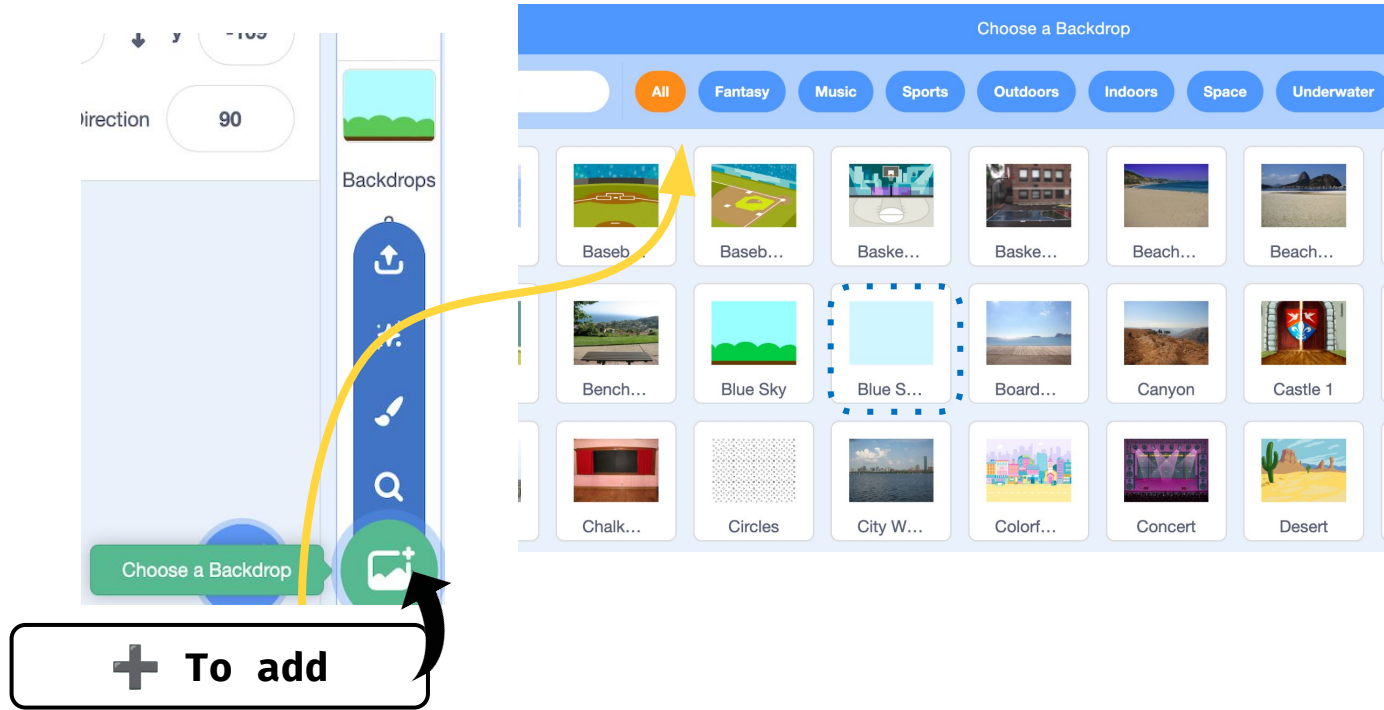


Find the green flag! 🔍 What do you think it does?

Sprites



Backdrops





03

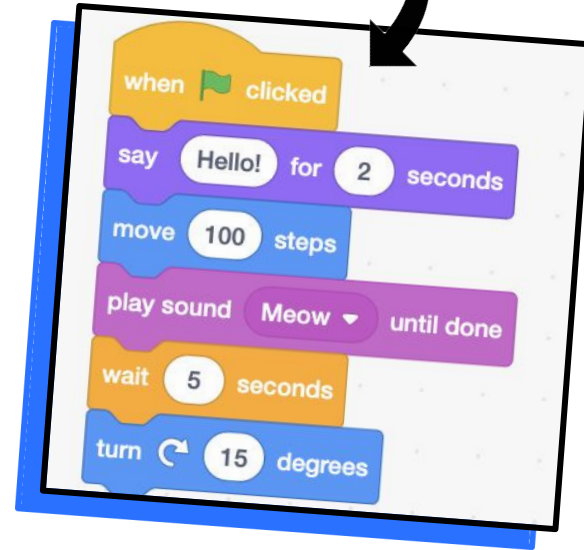
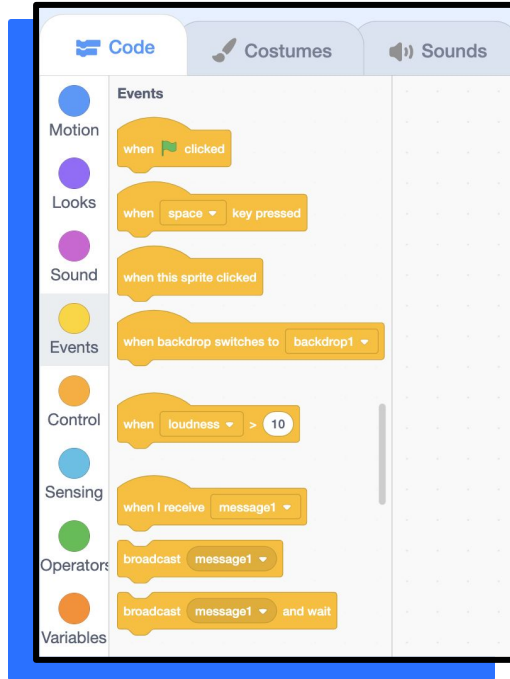
- O X

Coding in Scratch

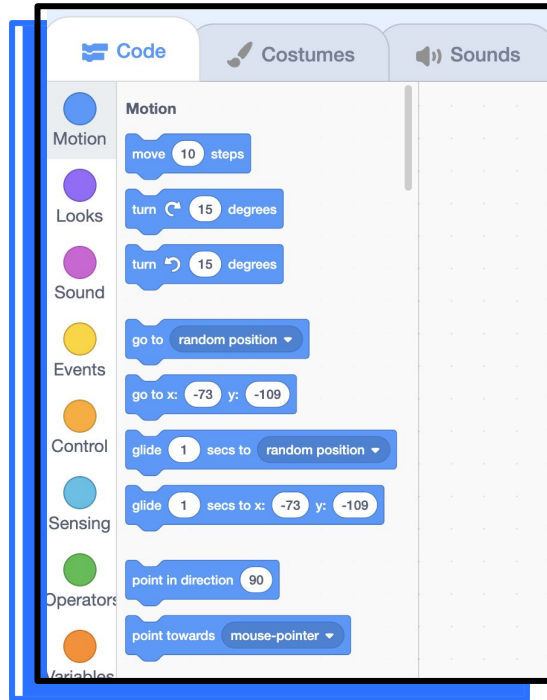
< Events >



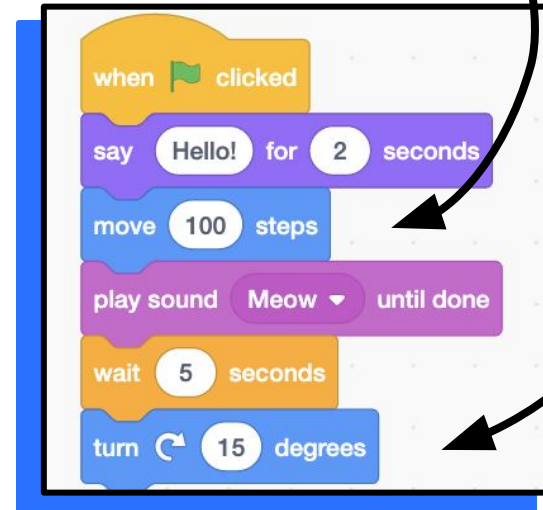
To **start** a
program...



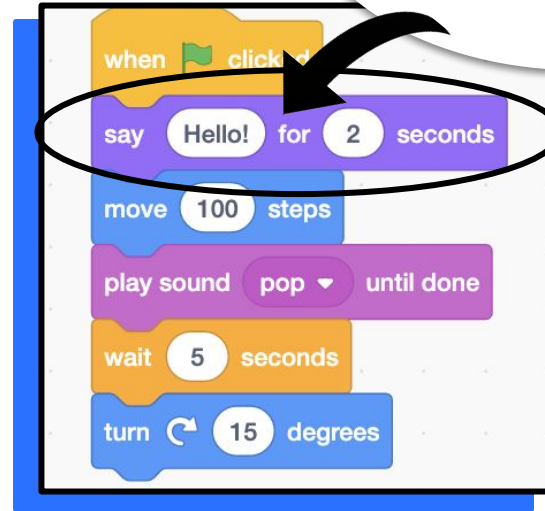
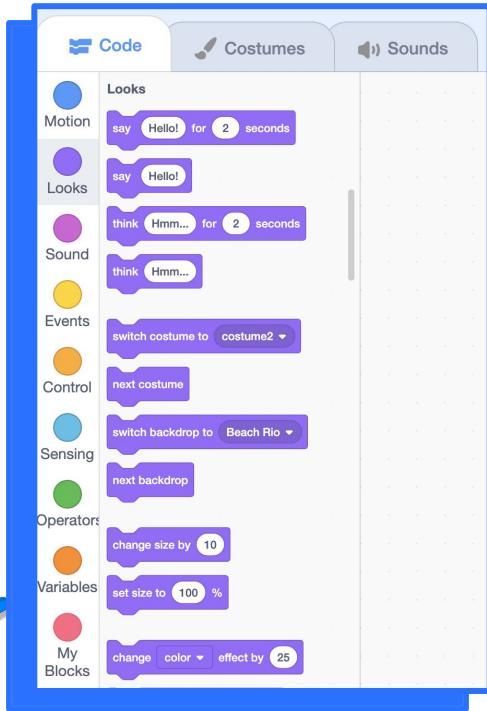
< Motion >



To make a **sprite move**.



< Looks >

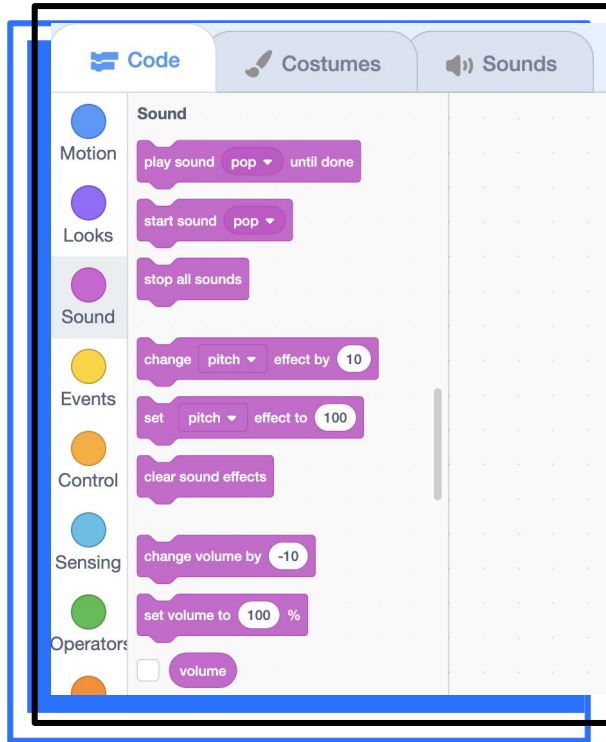


In this program, the crab says:
“Hello!”

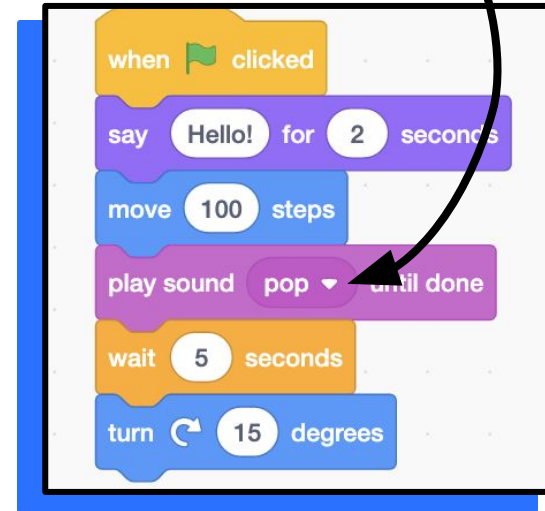


In your opinion... What do the other blocks do?

< Sound >

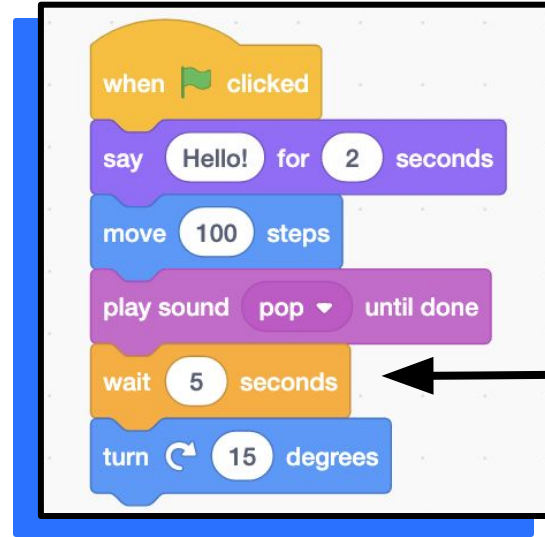
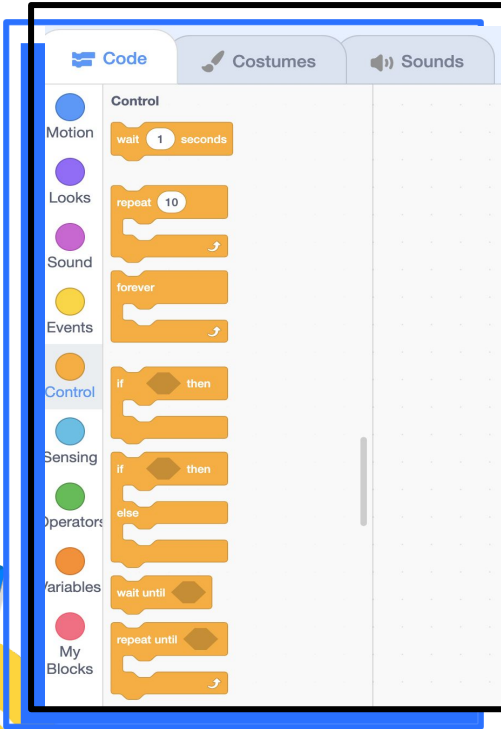


To **play** a
sound...



< Control >

In this program, the “**wait**” block allows for a **delay** before the next block.



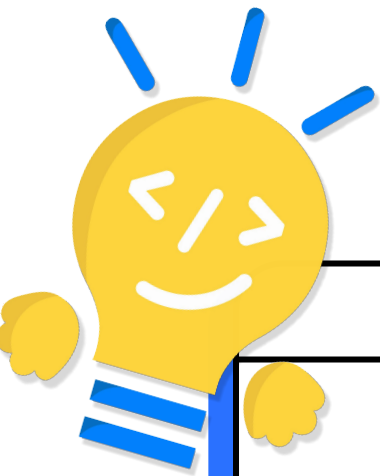
In your opinion... What does the block: “repeat 10 times” mean?



04

- O X

Let's Review !



Which block to use if I want to...

1. Start the program.
2. Make my sprite move forward.
3. Make my sprite think.
4. Play a sound.

A

think I'm hungry! for 2 seconds

B

start sound Let's go! ▾

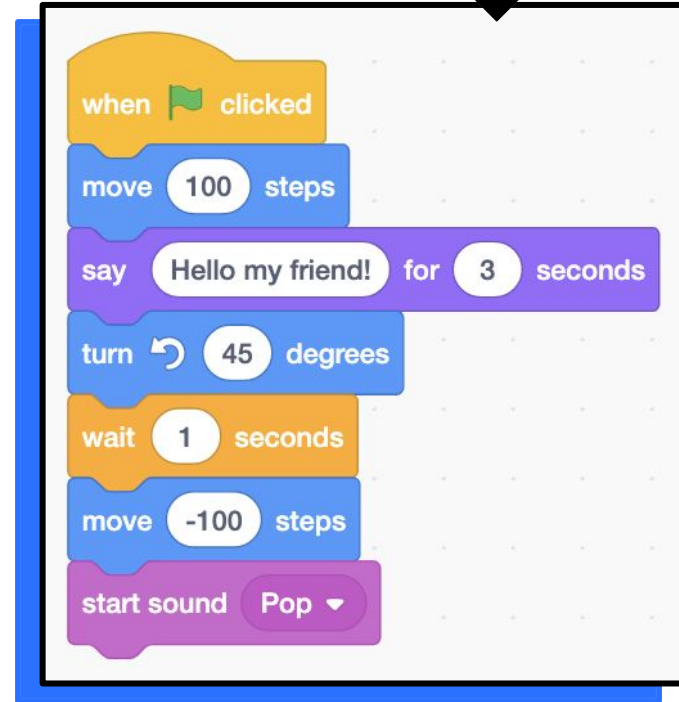
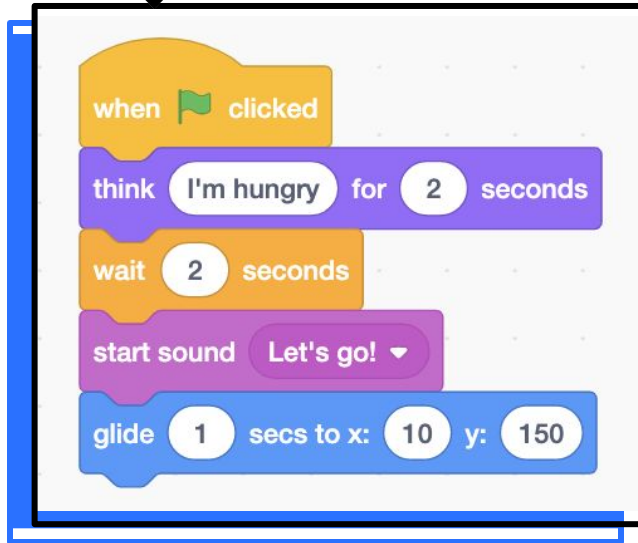
C

glide 1 secs to x: 10 y: 150

D

when clicked

What will these programs do ?





05

- O X

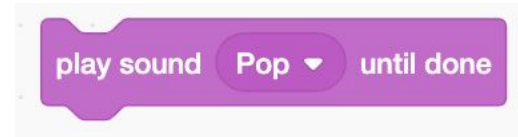
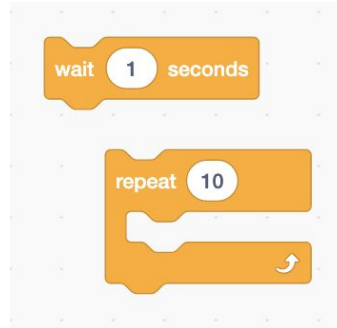
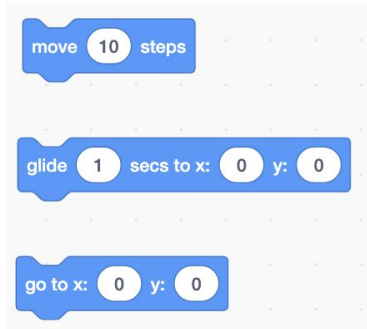
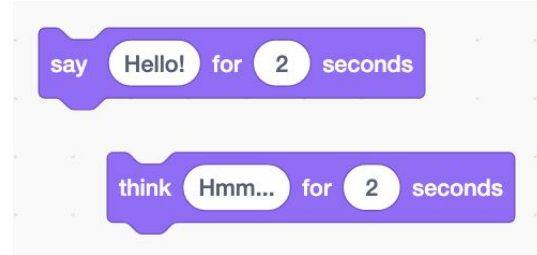
Your Turn !

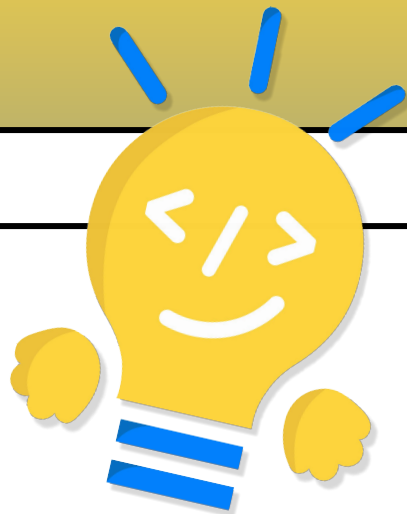
You have to create a program that...

- A** Contains 2 sprites and a backdrop.
- B** Makes the sprites talk together (“say” block).
- C** Makes the sprites move.
- D** Plays a sound.



Blocks used in this program





- o x

kreocode.ca