Sprite, our new friend!

By Vineet Srivastava
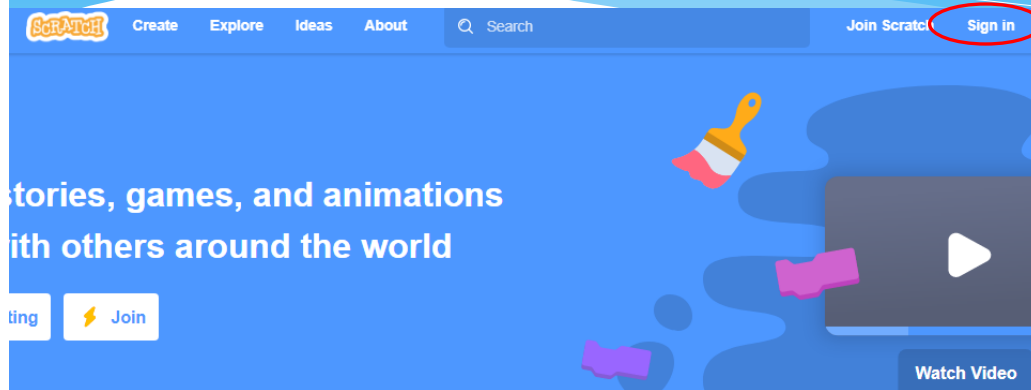
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In this lesson, we will …

* Learn to launch scratch.
* Meet our new friend the 'cat' sprite.
* Learn how to change the backdrop.
* Learn how to add another sprite to be our cat's friend
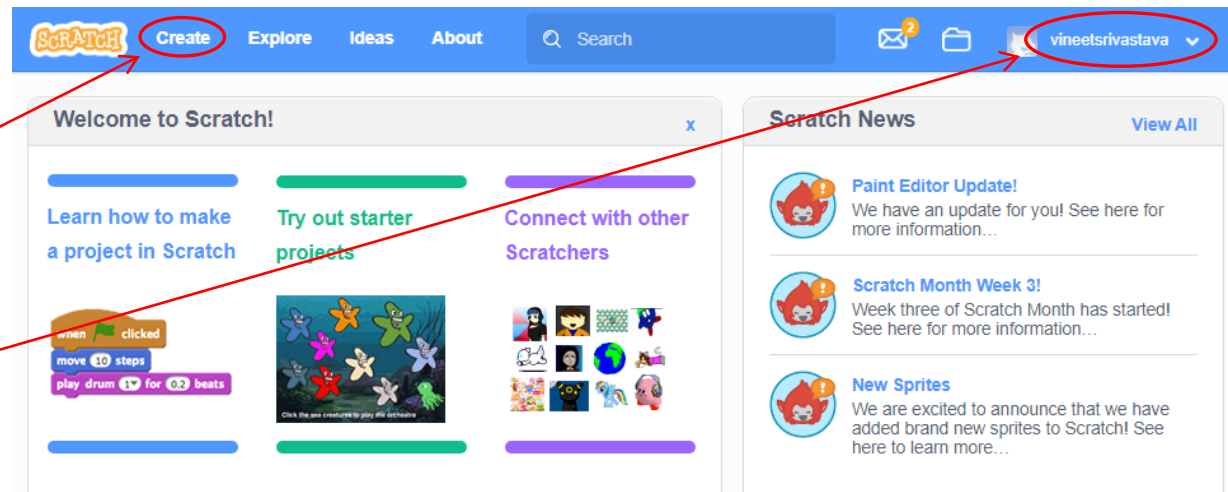* Learn how we can get sprite and its friend to also talk and create an animated comic.

Note:

Youtube video of our class : https://youtu.be/4u8SVp5J2Dc

www.scratchcourse.wordpress.com
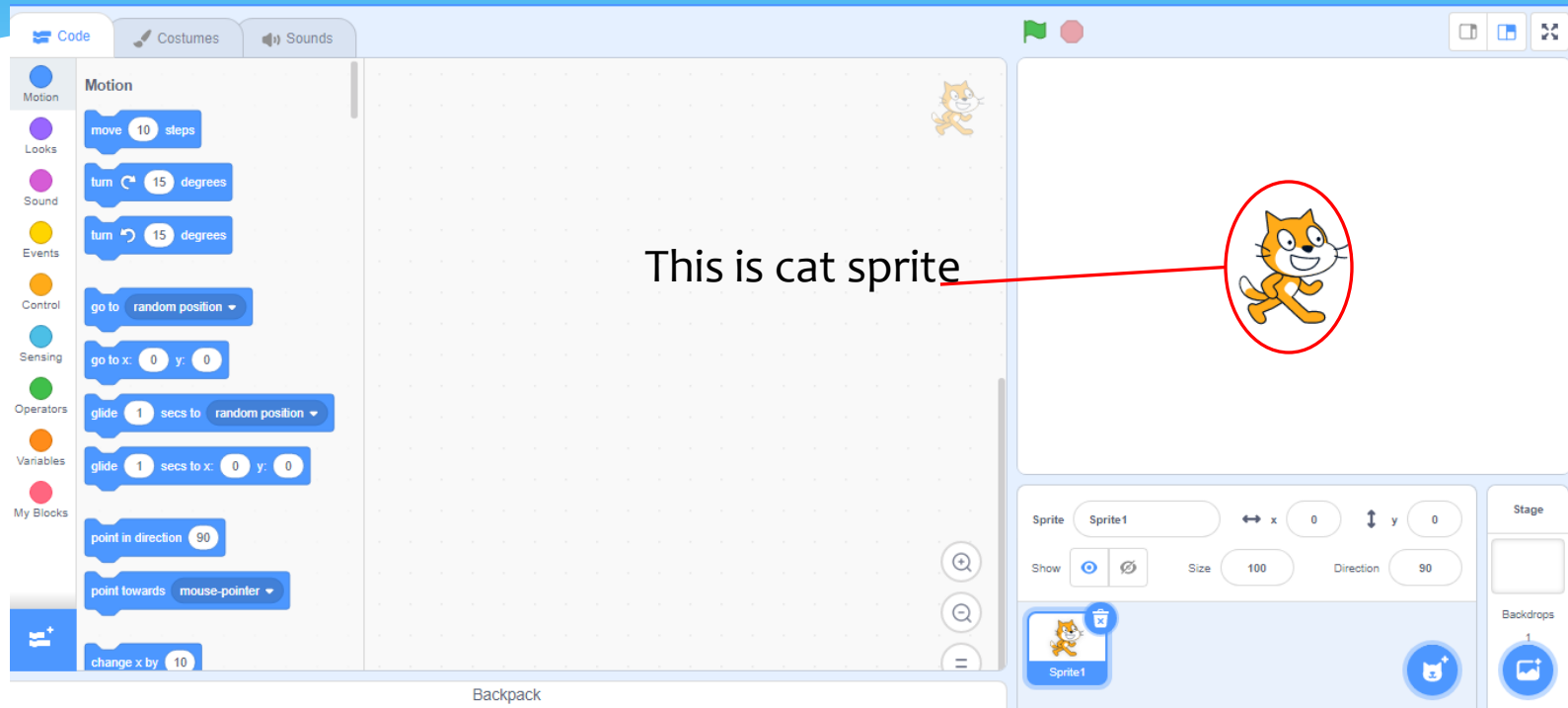
WIBYTE

Sign in and click create

← sign in at scratch.mit.edu

Click create after signing in.

Make sure your username
is visible here

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WIBYTE

Here is our friend, cat sprite!
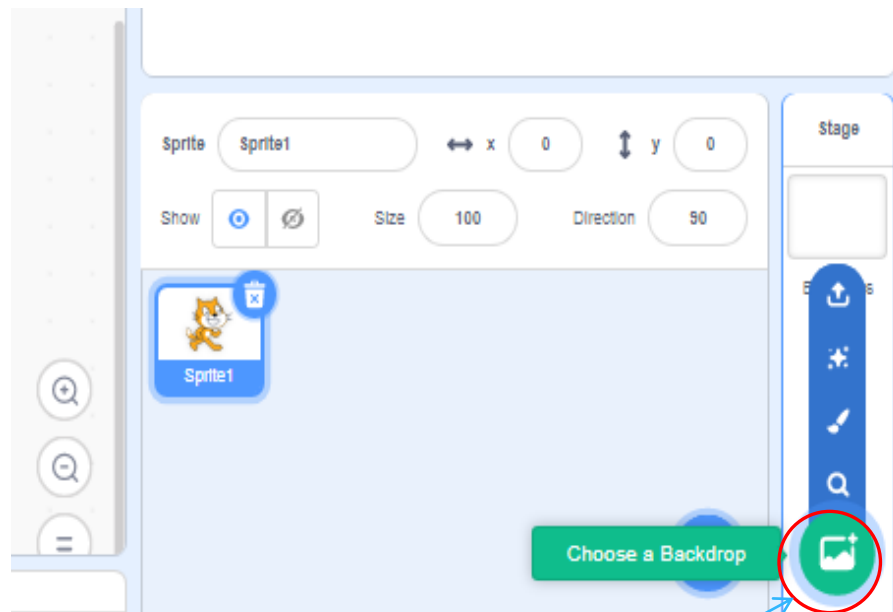

This is cat sprite

BLOCKS
(like LEGO)

SCRIPT AREA

STAGE

We drag code from the **blocks pallate** to the **script area** to tell sprite what to do.
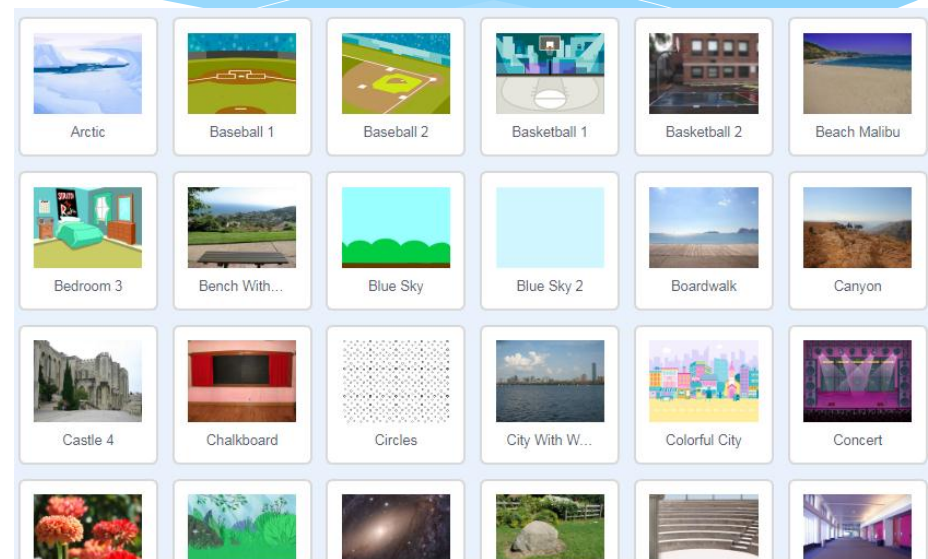Sprite performs these actions on the **stage**.

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Changing the backdrop

* You have (at least) three options:
  * Use the preset backdrops (easiest)
  * Upload a backdrop of your choice from file
  * Create a new backdrop by drawing

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Backdrop from scratch presets
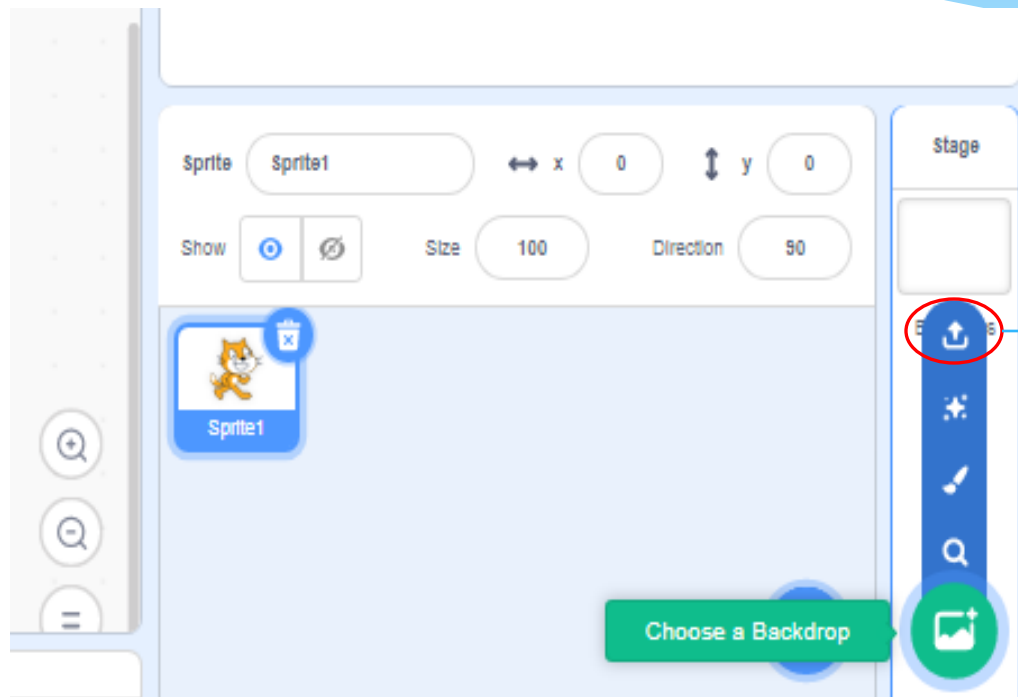

Click Here, and then the 'lens' icon above

Choose the Backdrop you like.

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A Bedroom Stage

I chose 'bedroom'. You should try a few others. They are fun!

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Uploading backdrop from a file

Click here to upload a backdrop from your files

WIBYTE

Choose an image from file explorer

CoreContent

Course

PayPal

Scracth

logo

Presentation2

Galapagos+Peng
uin

India_Traditional_
Map_4K_Wallpap
er

istockphoto-9726
80176-612x612

Magnificent+Frig
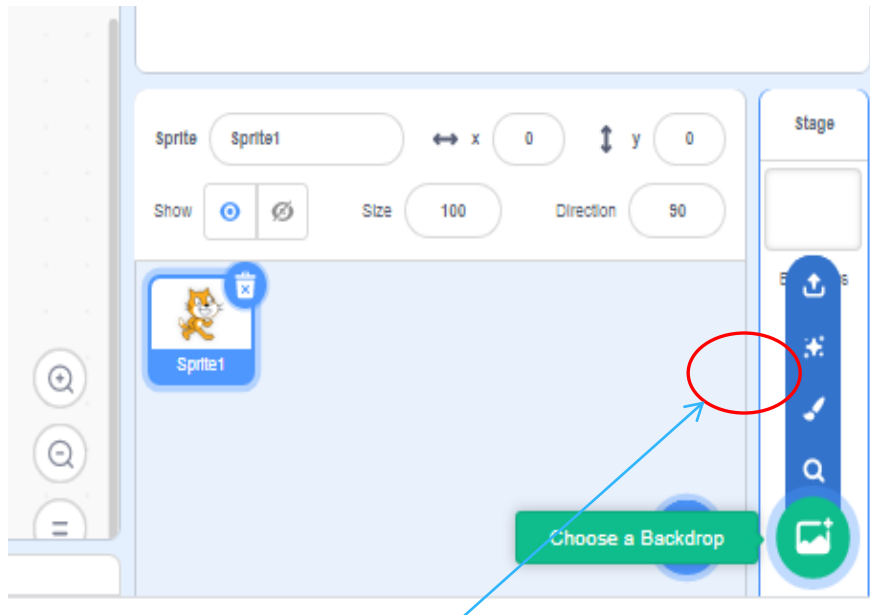atebird

Medium-Tree-Fi
nch-©-Bill-Hale

set-tropical-ocea
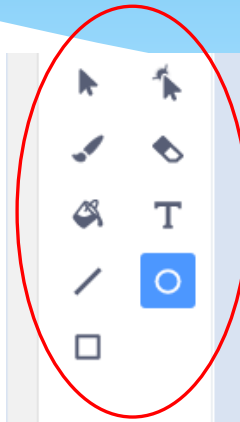n-nature-scene-b
ackgrounds-with
-beaches_1308-...

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My uploaded backdrop

WIBYTE

Paint your own backdrop
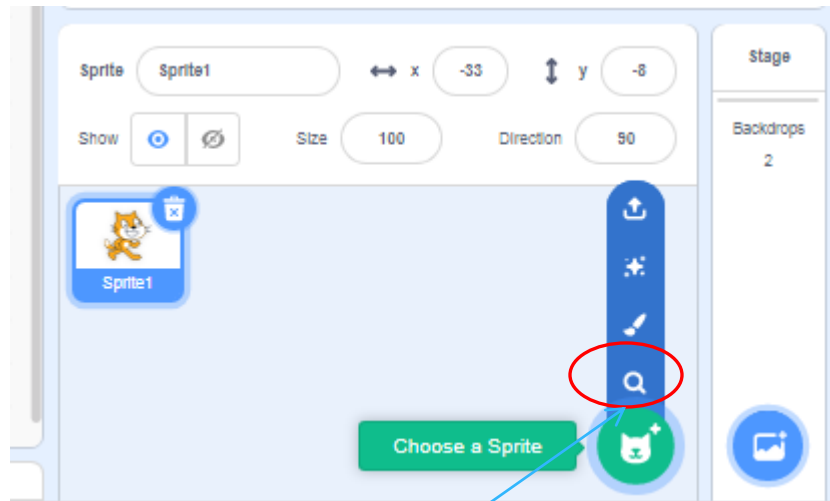

Click here to paint your own backdrop

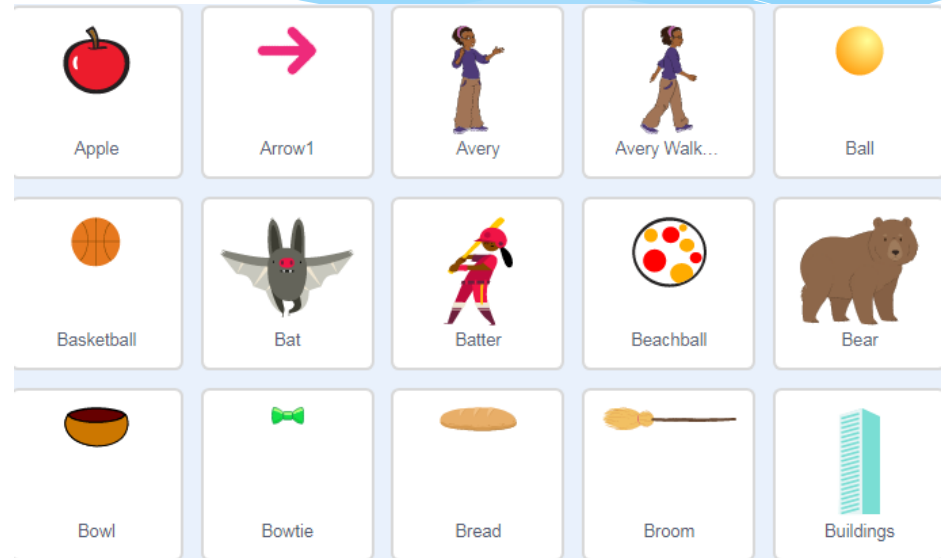Draw whatever you want your backdrop to be using the circled tools .

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Adding a new sprite

* You have (at least) three options:
  * Choose from existing sprites (easiest)
  * Upload a sprite of your choice
  * Create a new sprite
* The last two are exactly the same as in the case of backdrops!
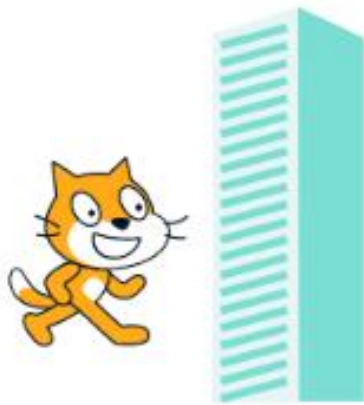
WIBYTE

Choose from existing sprites

Click here

Choose any -- you have a lot of choices!

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Cat is no longer alone ☺

With a building

With a beetle
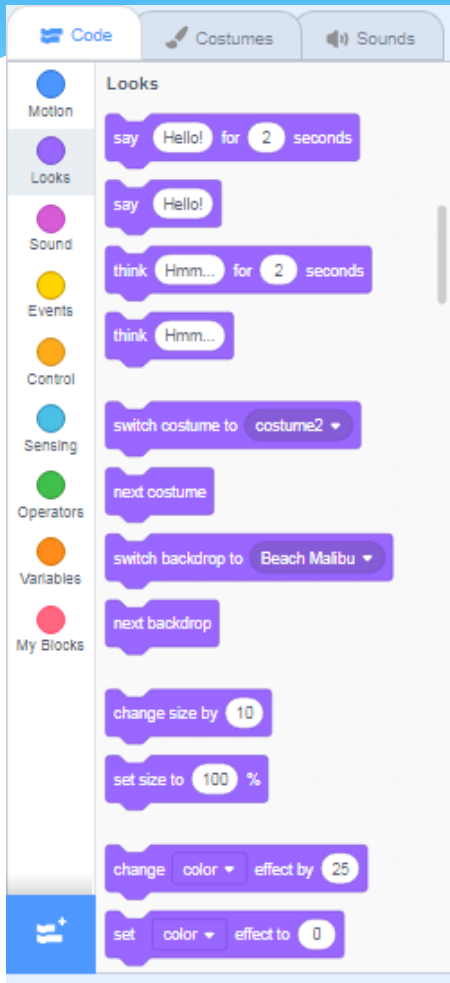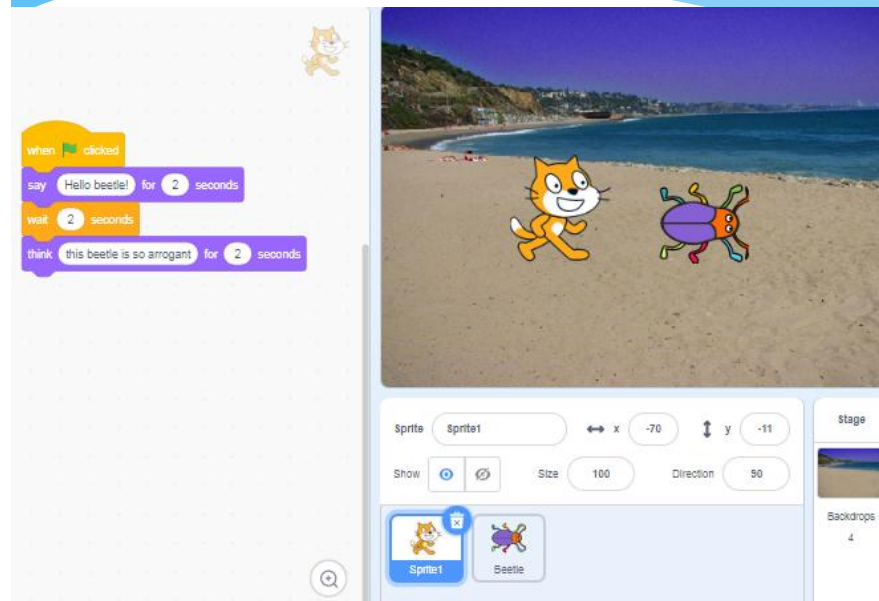
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Now the most amazing thing

* We can tell 'each' sprite – that is, the original cat sprite and any other sprite that we add – their own instructions!

* For example, you can get them to talk!

* Let us make a small animated comic named, Cat and Beetle on a beach .

* But before that, let us see the 'SAY' and 'THINK' blocks under Looks.

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SAY and THINK
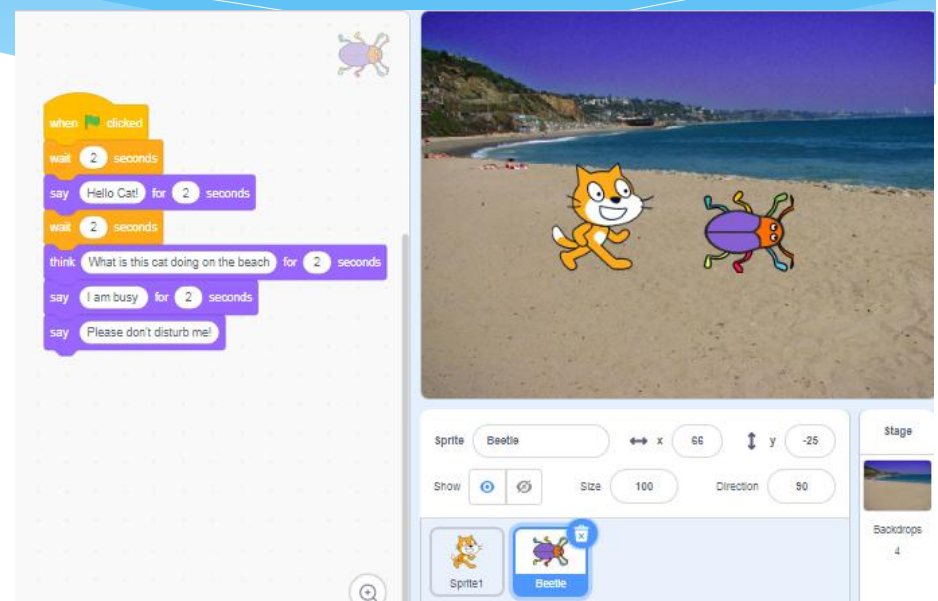

* Say and think appear just like they do on comics!

* You can also control for how long they appear.

* If no time is specified, they appear forever.

* Best to learn from examples by adding them into code.

www.scratchcourse.wordpress.com
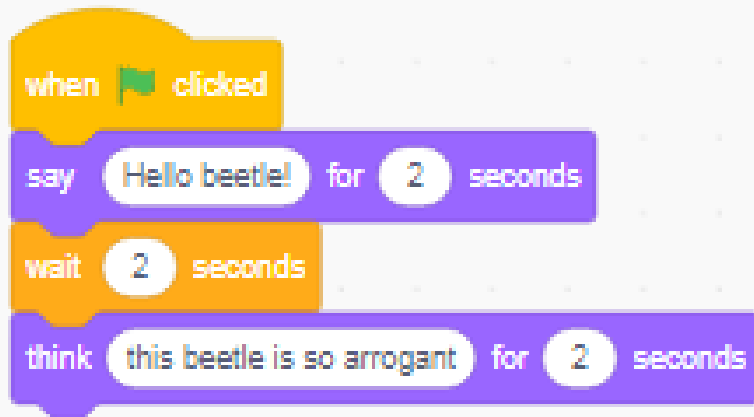
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CAT and BEETLE on a beach!

Write code for 'Cat'
sprite by clicking 'Cat'
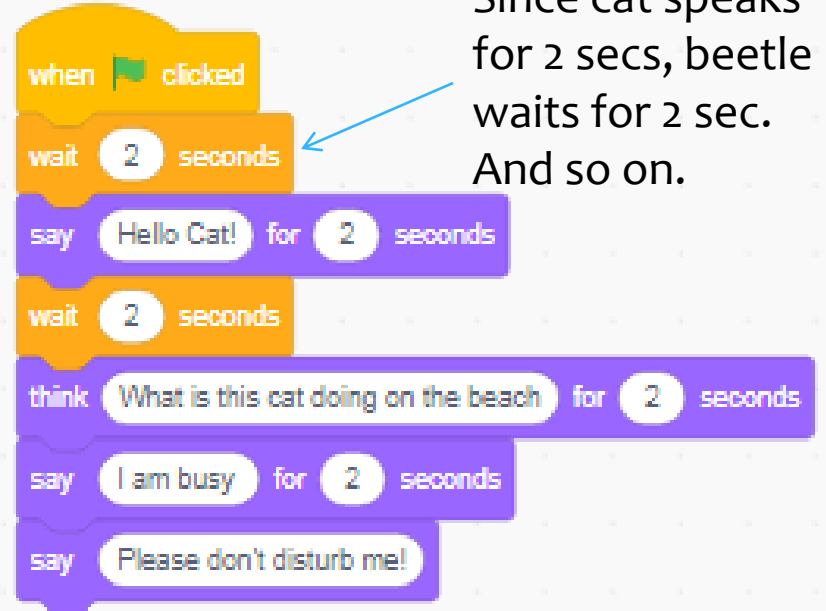
Write code for 'Beetle'
sprite by clicking 'Beetle'

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Let's see our codes carefully

CAT CODE


```
when 🏳 clicked
say  Hello beetle!  for  2  seconds
wait  2  seconds
think  this beetle is so arrogant  for  2  seconds
```

Do you see how we are using the 'wait' statement to synchronize the two sprites. Later we will learn 'BROADCAST' for this purpose.

BEETLE CODE


```
when 🏳 clicked
wait  2  seconds
say  Hello Cat!  for  2  seconds
wait  2  seconds
think  What is this cat doing on the beach  for  2  seconds
say  I am busy  for  2  seconds
say  Please don't disturb me!
```

Since cat speaks for 2 secs, beetle waits for 2 sec. And so on.

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Alright, you are all set!

* In this class, we learnt how to add a new backdrop, and a new sprite.

* We also learnt how to give each sprite their own code.

* You are all set for your independent activity, which is an animated comic!

* Come on, unleash your creativity.

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