#1 Dancing Friends

LEVEL: ⭐

Coding is fun, so let's dance!

Rules of playing:

1. Click 🚩 to start and 🔴 to stop;
2. Enjoy the music and dance;
3. How about inviting more friends to join?
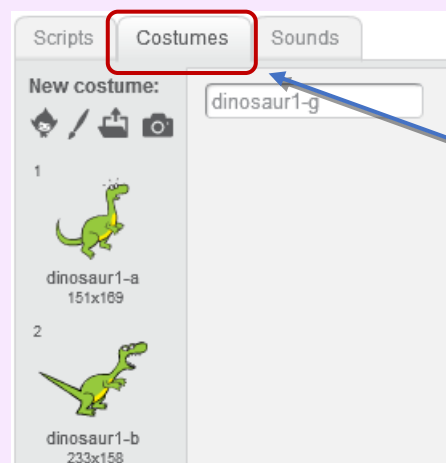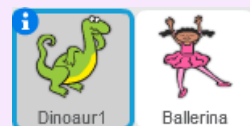
Have fun!

💻 Try this project online:
https://scratch.mit.edu/projects/152974193/

13

The blocks you will need:

- forever
- move 10 steps
- if on edge, bounce
- when 🚩 clicked
- next costume
- wait 1 secs
- set rotation style left-right ▼
- play sound meow ▼ until done

1

Create *Sprites*, our dancing friends.

New sprite: 🐱 ✏️ 🔼 📷

Click here to choose 2 sprites: Dinasour1 and Ballerina.

Dinoaur1   Ballerina

Scripts | Costumes | Sounds

New costume:
🐱 ✏️ 🔼 📷

dinosaur1-g

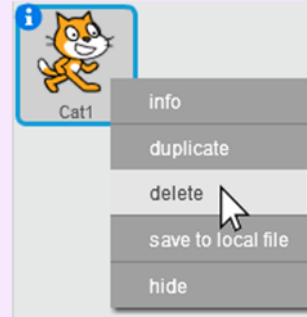1
dinosaur1-a
151x169

2
dinosaur1-b
233x158

Click Costumes tab you can see many pictures of the sprite. When changing from one costume to another, the sprite looks like it's dancing.
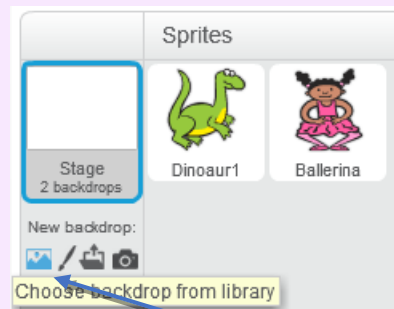
2 Since the cat is not a great dancer, we will remove it from the stage by clicking <u>right</u> mouse button on it, and then selecting <u>delete</u>.
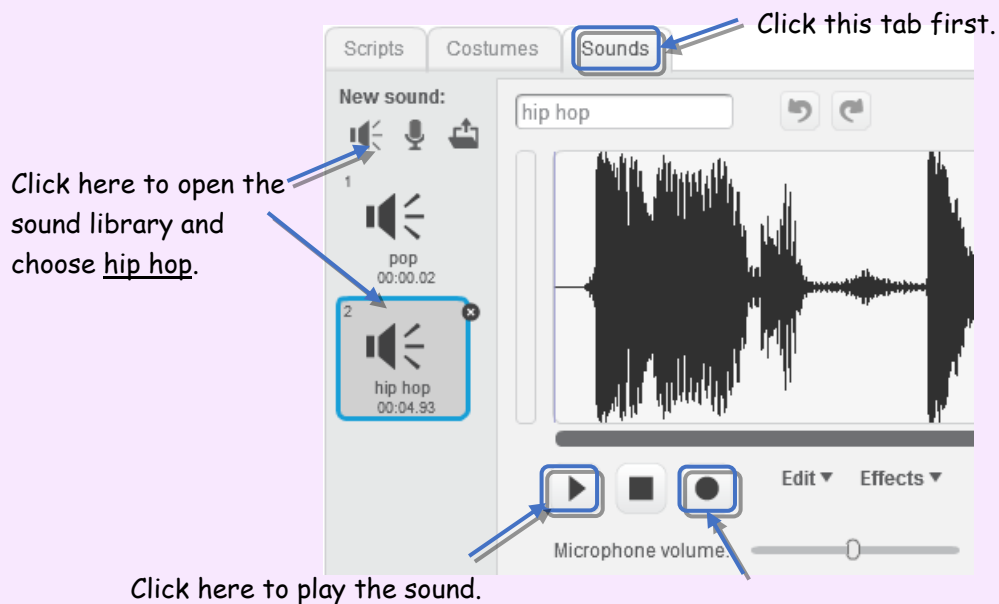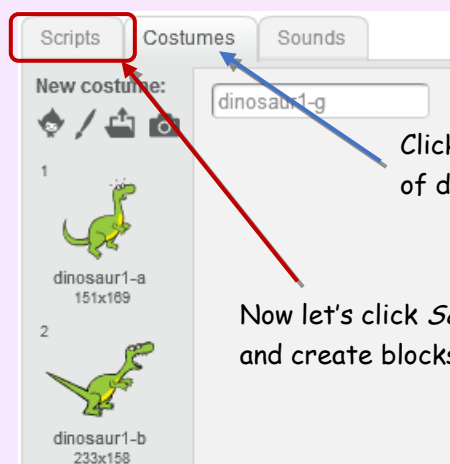
14

3 Select the backdrop of the stage.

Click this image to select a backdrop picture: <u>spotlight-stage</u>.

4 Now we need to add a dancing music from the library.

Click this tab first.

Click here to open the sound library and choose <u>hip hop</u>.

Click here to play the sound.

You can even record your <u>own</u> voice by clicking this button.

5

Dinoaur1

| Scripts | Costumes | Sounds |

New costume:

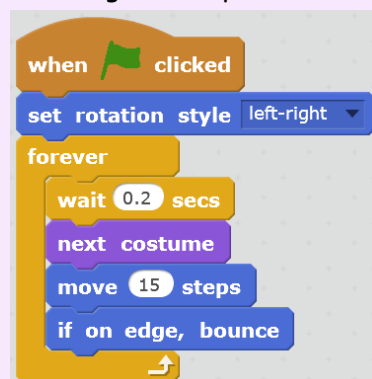dinosaur1-g

1

dinosaur1-a
151x169

2

dinosaur1-b
233x158

Click *Costumes* tab to see all costumes of dinosaur1.

Now let's click *Scripts* tab to open block panel and create blocks to teach dinosaur1 to dance.

And drag and drop these blocks for <u>Dinasour1</u>:

```
when [flag] clicked
set rotation style [left-right ▼]
forever
    wait (0.2) secs
    next costume
    move (15) steps
    if on edge, bounce
```

We want Dinasour1 to dance *forever*, change its *costume* 5 times a second and turn around (*bounce*) when it gets to one side of the stage.
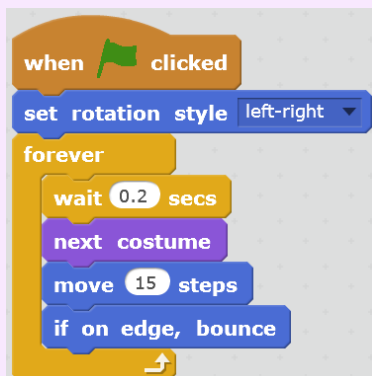
```
when [flag] clicked
forever
    play sound [hip hop ▼] until done
```

This is the dancing music. You can use anyone you like from the library.

6

Ballerina

Now let's teach Ballerina how to dance. It is exactly the same as Dinasour1.

```
when [flag] clicked
set rotation style [left-right ▼]
forever
    wait (0.2) secs
    next costume
    move (15) steps
    if on edge, bounce
```

🚩 Now enjoy the play!

{ *.code();}

15

16
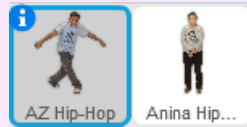
BONUS task. Why not invite more friends to the party?

Try AZ Hip-Hop and Anina Hip-Hop, both are great dancers. Invite as many friends as you want.

Well done! I hope you enjoy the dance!

{✱.code();}