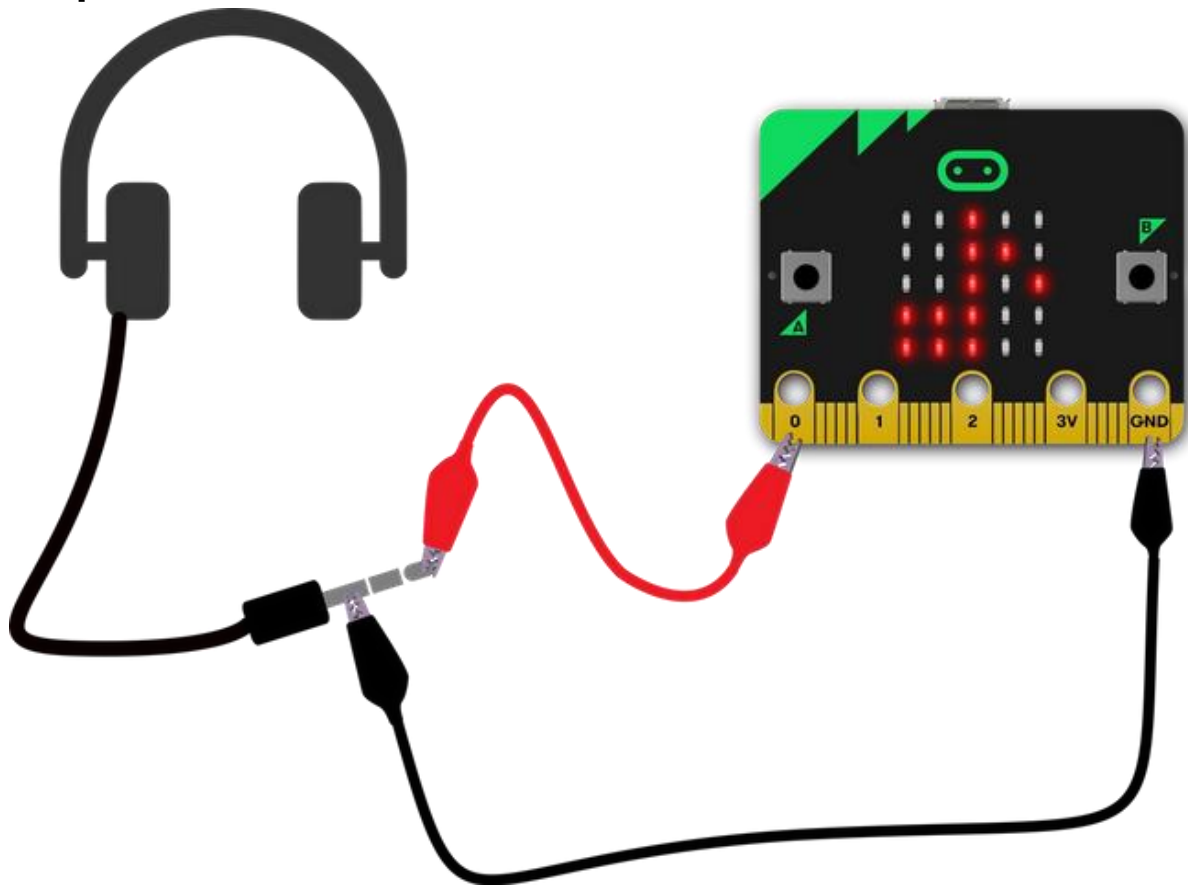# Jukebox

What is it?

Make a music machine that plays different tunes at the push of a button.

How it works

- A jukebox is a machine that plays different songs when you put a coin in and choose which tune you want to hear by pressing buttons.

- This micro:bit jukebox uses headphones or speakers connected to make sound like we did in the Make some noise project.
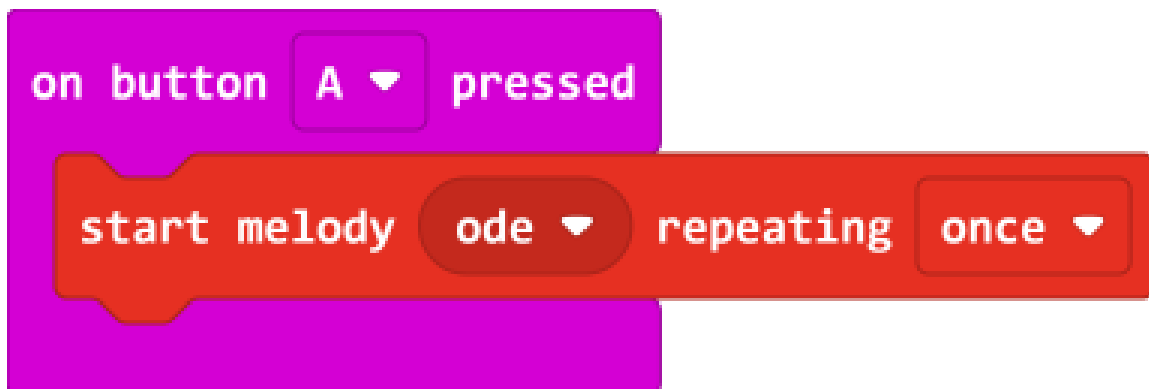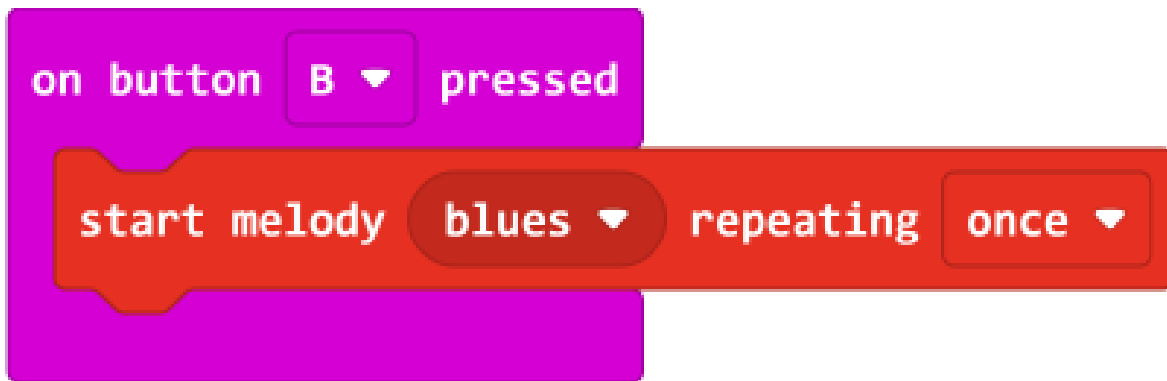
Step 1: Build it

- Connect micro:bit pin 0 to the tip of your headphone plug, and GND to the longer part of the headphone plug.

- When you make sound with the micro:bit, pin 0 becomes an **output**.

- This program plays different built-in tunes if you press input button A or button B.

- Note: If you have a version 2 Micro:Bit, you can use the built-in speaker instead of headphones.

What you need

- micro:bit (or MakeCode simulator)

- MakeCode or Python editor

- battery pack (optional)

- a pair of headphones, buzzer or amplified loudspeaker

- two crocodile clip leads

Step 2: Code it

Step 3: Improve it

- Change the tunes, for example try PRELUDE or ENTERTAINER. You can find a list of all the built-in tunes you can use in Python here.

- Show different pictures, letters, numbers or words depending on which tune you picked.

- Make it play a random tune if you shake it.