Whack a Mole / Quickest reaction Game

Make a 'Whack a Mole' Quickest Reaction' game using cardboard, aluminium foil, 4 crocodile clip cables. and of course your micro:bit!

Log into MakeCode and let's get coding! https://makecode.microbit.org/

Start by Making 4 variables called: running, falseStart, end and start.

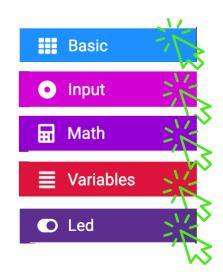
```
on start

set running ▼ to false ▼

set falseStart ▼ to false ▼

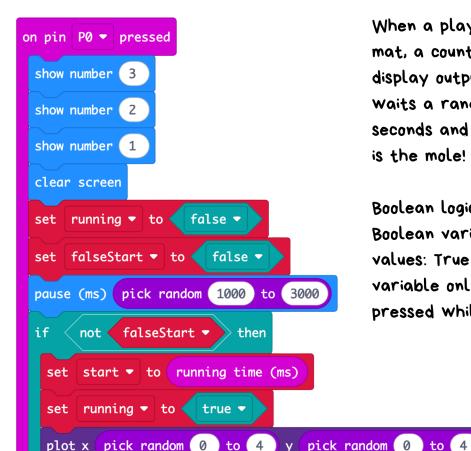
set end ▼ to 0

set start ▼ to 0
```



micro:bit

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When a player presses the 'pin 0' mat, a count down starts on the LED display output. The program then waits a random time between 1 and 5 seconds and shows a random LED. This is the mole!

Boolean logic stops any cheating!
Boolean variables can only have two
values: True or False. The 'running'
variable only checks Which button is
pressed While the game is running.







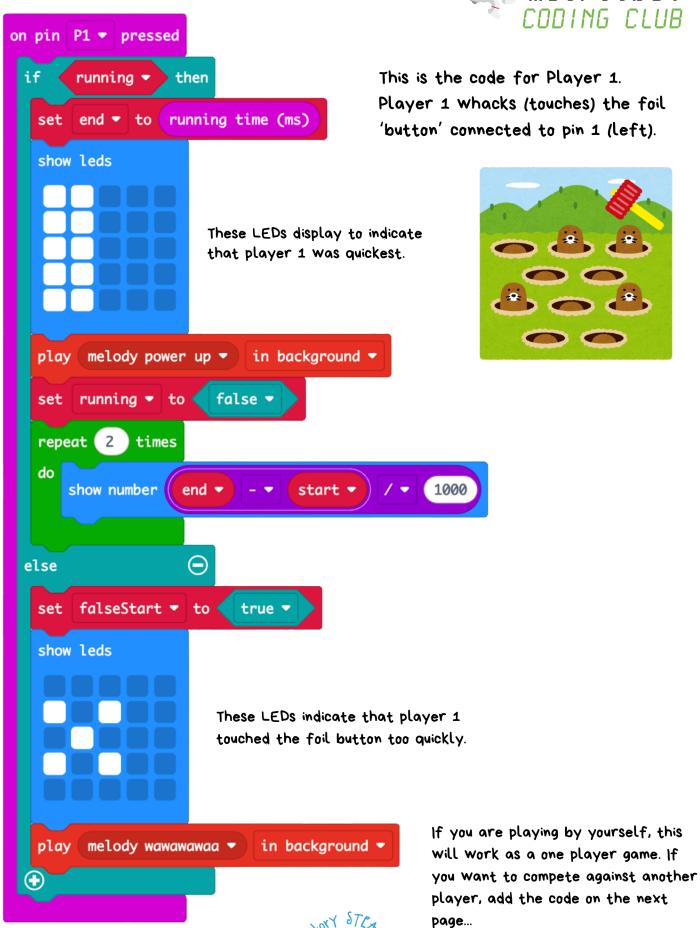
lacktriangledown

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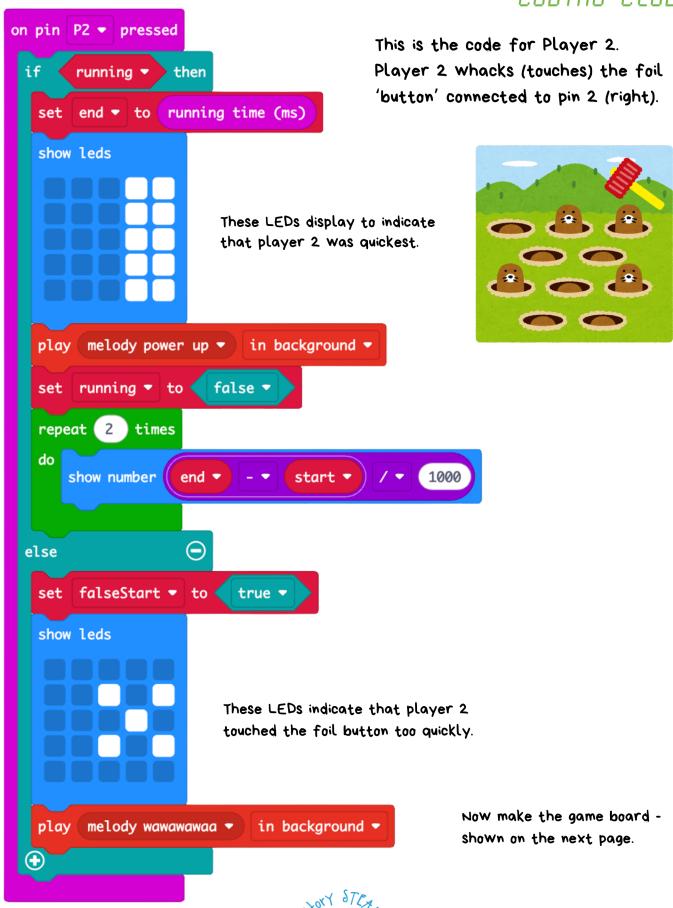


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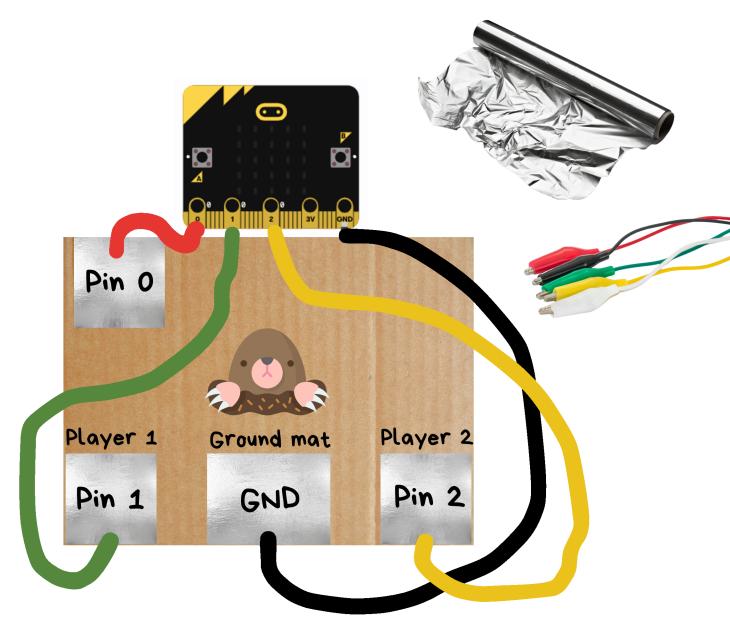
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Quickest Reaction Game continued



Make the game board using cardboard and foil then connect the pins using crocodile cables.



Challenge your family to a game!

- · Decide who is player one and who is player two.
- · Both players must place one hand on the 'ground' (GND) mat.
- Player 1 touches the Pin 0 mat to start.
- When you see an LED light up on the micro:bit, touch your pin mat as quickly as you can, but don't touch it before the light appears!
- The LEDs will indicate which player was quickest and how many seconds it took.
- Can you beat your quickest time?



