

Clapper Control MiRo

This program lets you control MiRo's movements by clapping. Try and direct MiRo to knock over the cans!

```
Program Start
Run code print "Can you clap at the right times to steer ..."
Run code print "Clap to make me move forwards"
Wait for clap
Start Moving Forwards Fast
Run code print "Clap to make me stop"
Wait for clap
Stop Moving
Run code print "Clap to make me start turning"
Wait for clap
Start Turning Left Slow
Run code print "Clap to make me stop"
Wait for clap
Stop Turning
Run code print "Clap to make me drive forwards FAST!"
Wait for clap
Start Moving Forwards Fastest
Wait for 10 Seconds
```

The image shows a sequence of code blocks for controlling MiRo. It starts with a 'Program Start' block, followed by a 'Run code' block that prints a message. This is followed by a 'Run code' block that prints a message, a 'Wait for clap' block, a 'Start Moving' block with 'Forwards' and 'Fast' options, a 'Run code' block that prints a message, a 'Wait for clap' block, a 'Stop Moving' block, a 'Run code' block that prints a message, a 'Wait for clap' block, a 'Start Turning' block with 'Left' and 'Slow' options, a 'Run code' block that prints a message, a 'Wait for clap' block, a 'Stop Turning' block, a 'Run code' block that prints a message, a 'Wait for clap' block, a 'Start Moving' block with 'Forwards' and 'Fastest' options, and finally a 'Wait for' block set to 10 seconds.

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BEST WAY TO DEMONSTRATE

Simulator: *Very effective*

Robot: *Very effective*

SENSORS & OUTPUTS USED

Microphone and user script log

DESCRIPTION

This demonstration program gives you control over MiRo's movement using claps. The claps signal MiRo to move forward, stop moving, turn and stop turning. Try and direct MiRo round the area with the first aim to knock over the cans!

EXTENSIONS

- 👉 Try and get MiRo to knock over the cans without falling off the table, then try and continue around the rest of the route.
- 👉 Add different lights, sounds or actions for MiRo to perform when the clap is heard.