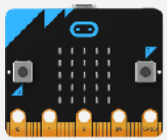
1

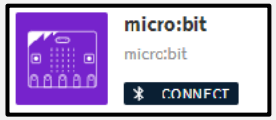
Click ‘ADD DEVICE’
Select device(s) from list

2



Connect the micro:bit battery

3

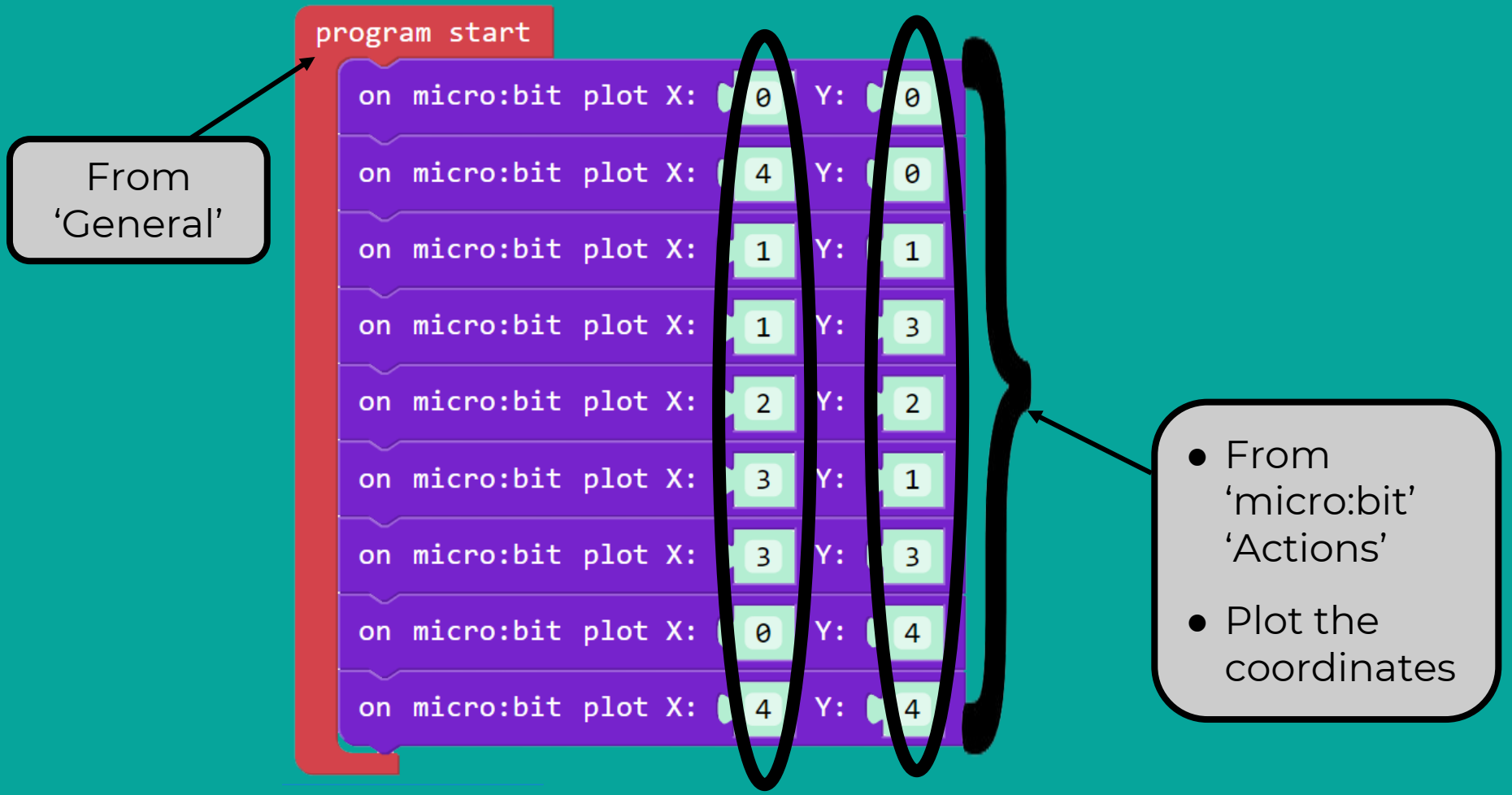


Click ‘CONNECT’

4

Select device from list
Click ‘Pair’

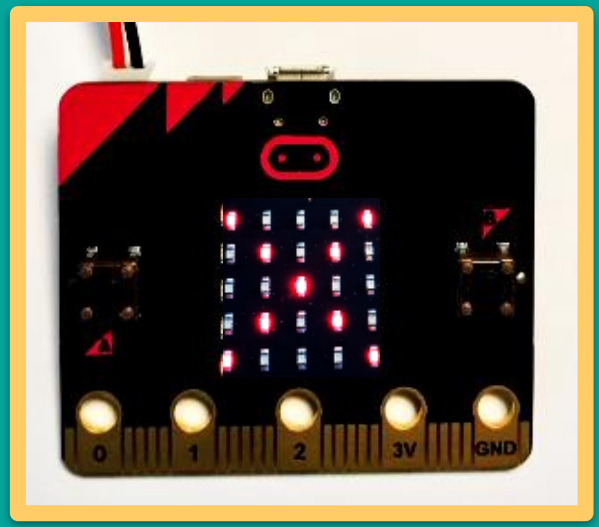
Use the data given to plot a visual output



Let's Build

```
program start
    on micro:bit plot X: 0 Y: 0
    on micro:bit plot X: 4 Y: 0
    on micro:bit plot X: 1 Y: 1
    on micro:bit plot X: 1 Y: 3
    on micro:bit plot X: 2 Y: 2
    on micro:bit plot X: 3 Y: 1
    on micro:bit plot X: 3 Y: 3
    on micro:bit plot X: 0 Y: 4
    on micro:bit plot X: 4 Y: 4
```

=

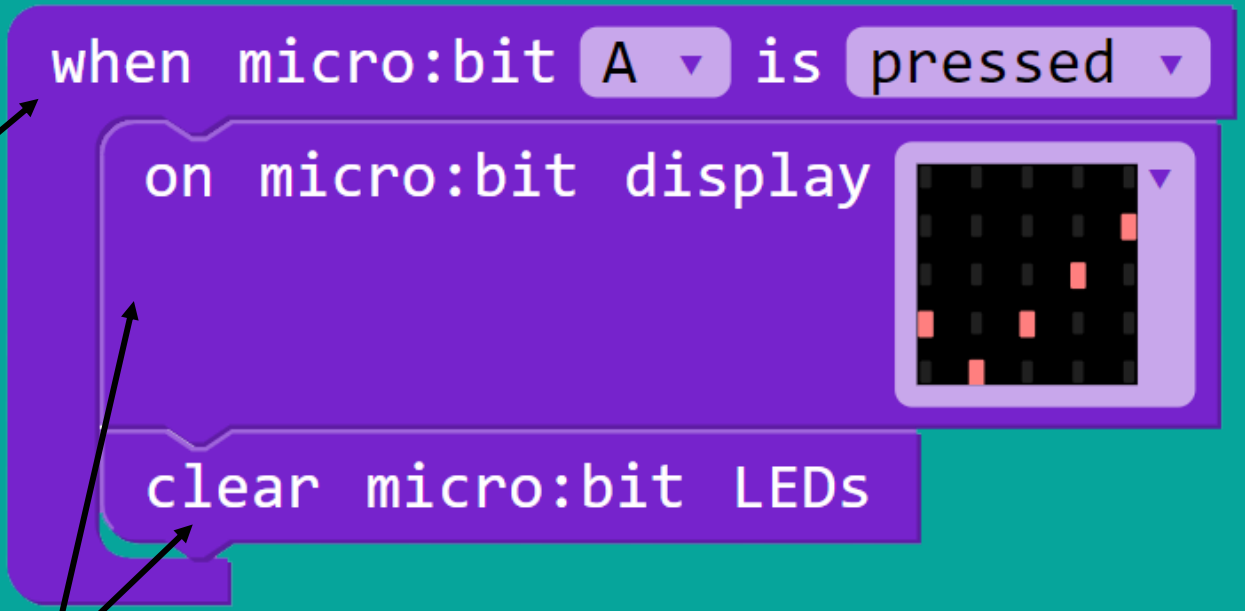


Test your program: What was displayed?

micro:bit Test

Can you help me check my Cyber Scanner is working correctly?

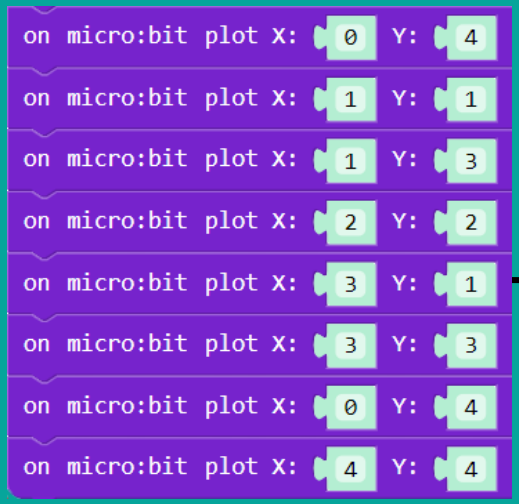
From ‘micro:bit’ ‘Events’

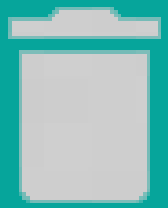


From ‘micro:bit’ ‘Actions’

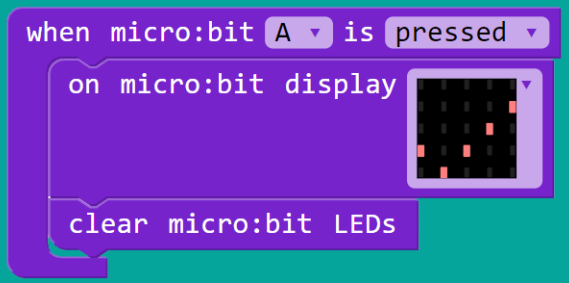
Challenge

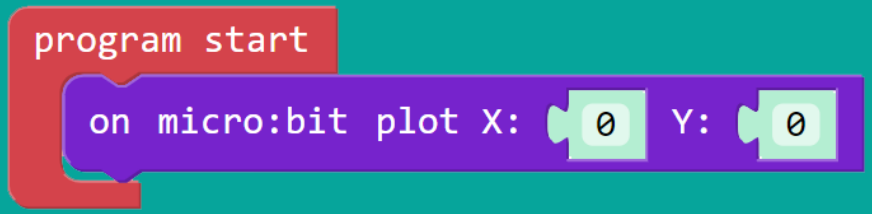
First, remove eight ‘on micro: bit plot’ blocks.



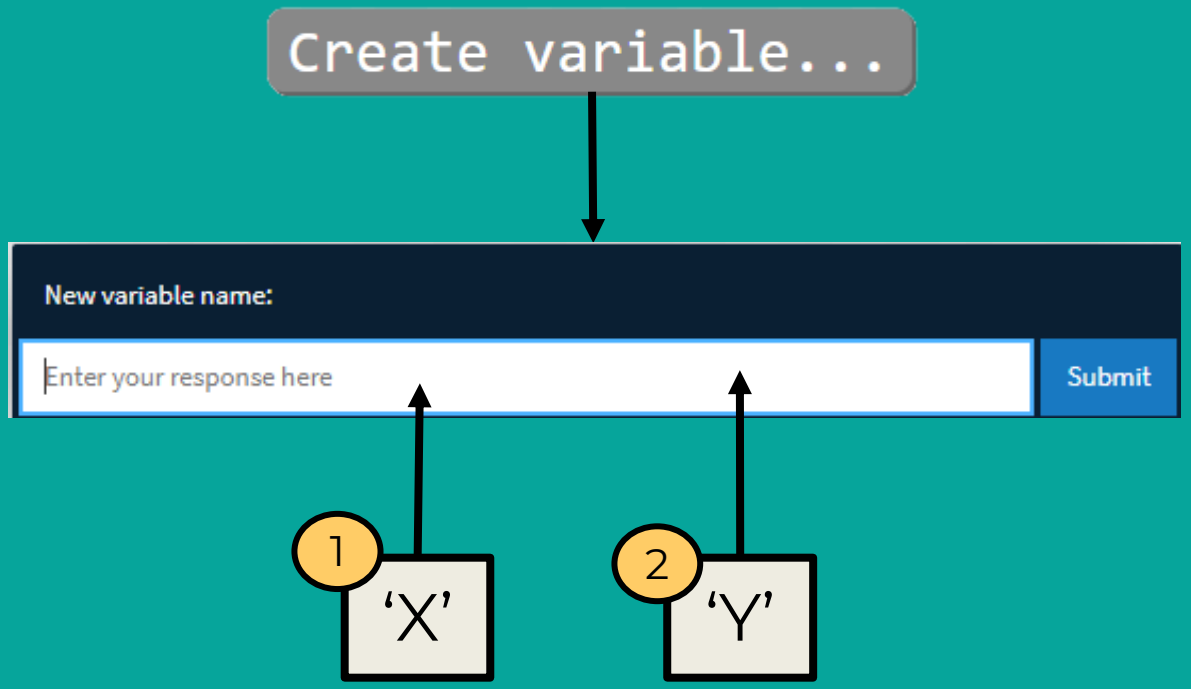


Your workspace will then look like this:





1

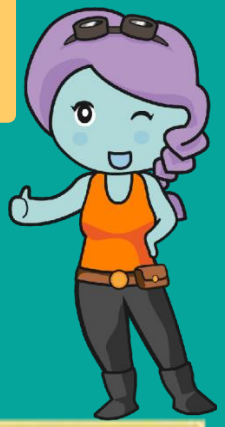


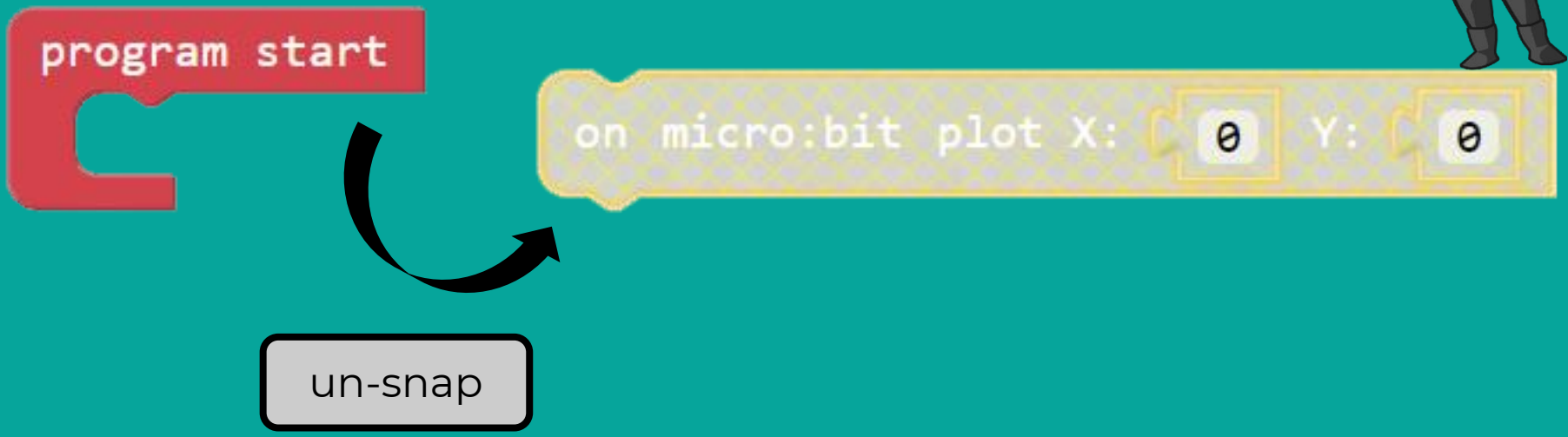
These variables will be used to represent the X and Y coordinates on the micro: bit

Challenge

2

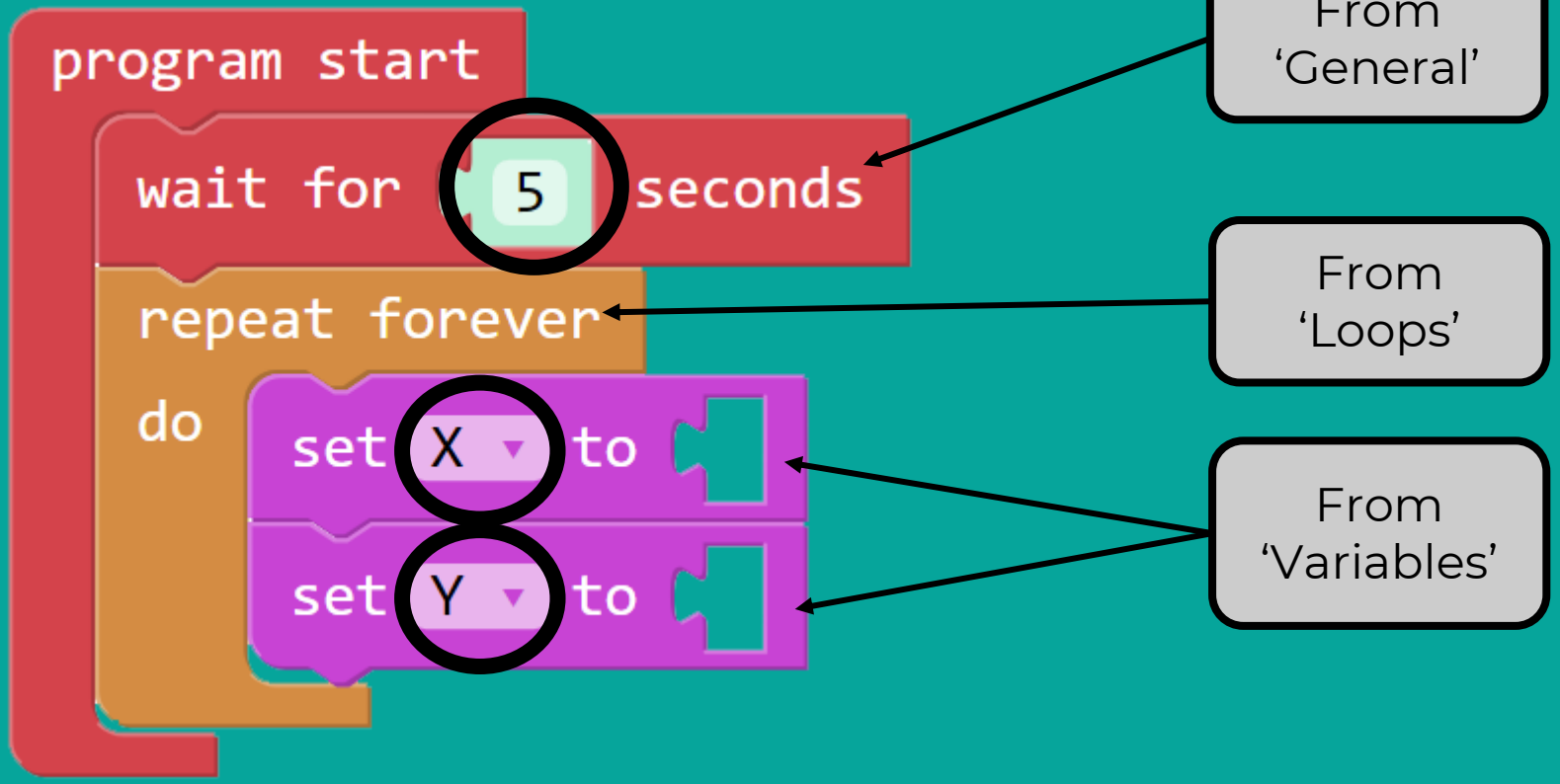
Leave this block on the workspace for later!





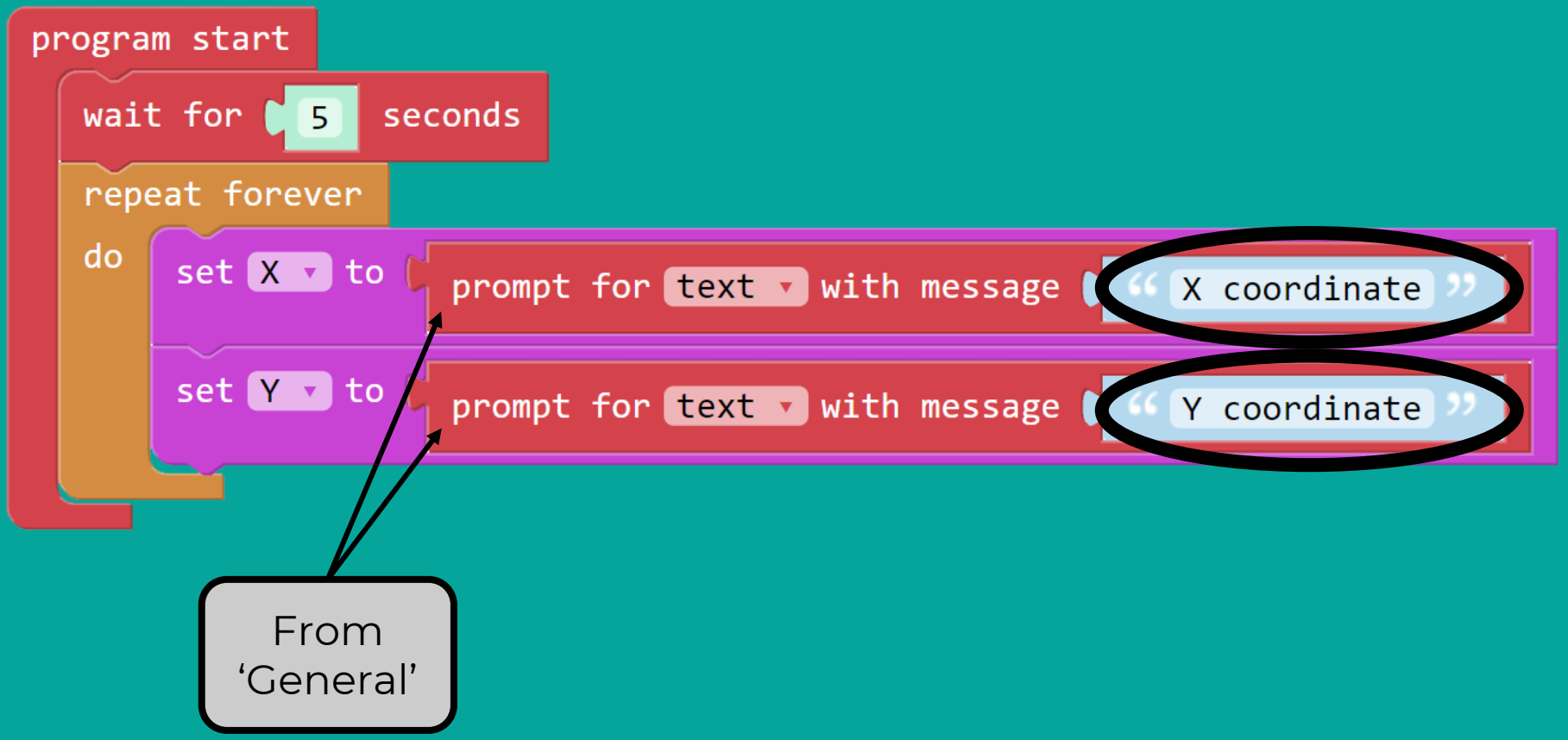
Challenge

3


program start
wait for 5 seconds
repeat forever
do
set X to
set Y to
From 'General'
From 'Loops'
From 'Variables'

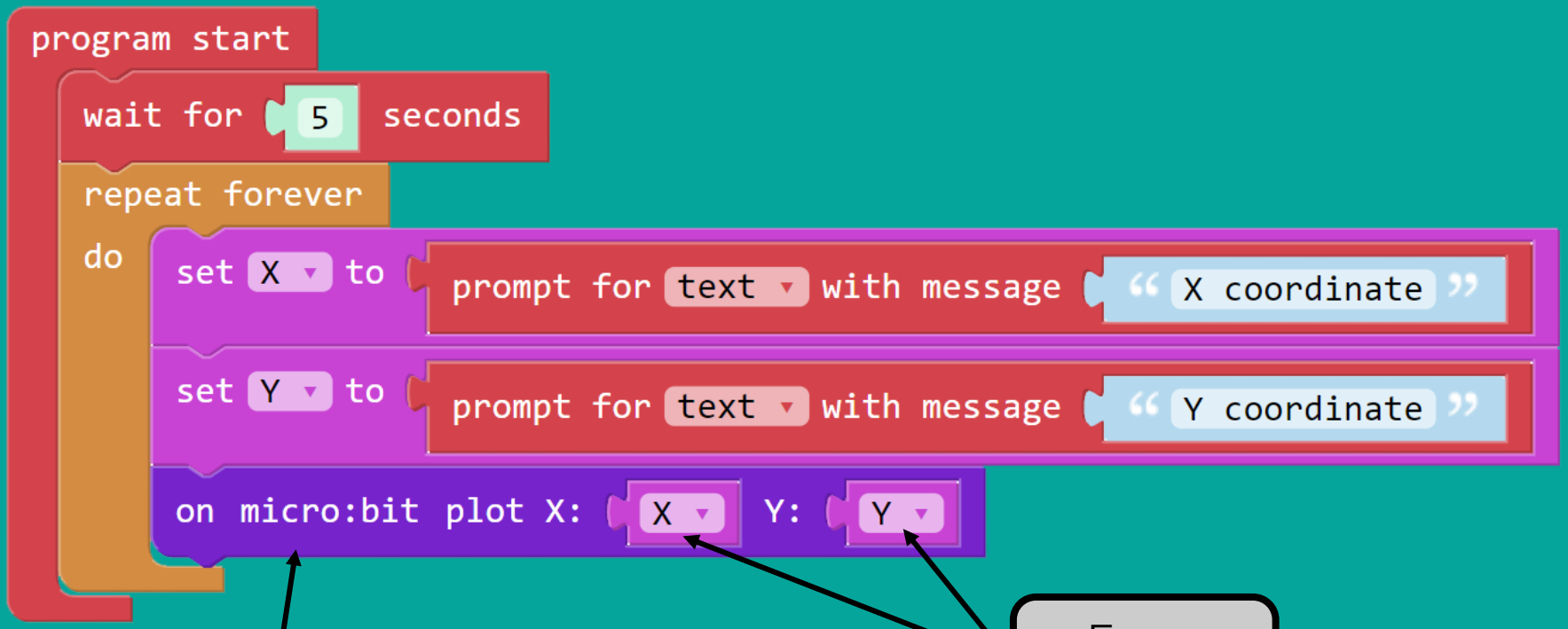
Challenge

4


program start
wait for 5 seconds
repeat forever
do
set X to prompt for text with message X coordinate
set Y to prompt for text with message Y coordinate
From 'General'

Challenge

5



From 'Variables'

Drag this block back from the workspace!

Challenge: Test your program

Here are the data sets to enter into your program:

Data Set 1	Data Set 2	Data Set 3
X: 0 Y: 4	X: 2 Y: 0	X: 3 Y: 0
X: 0 Y: 3	X: 2 Y: 1	X: 2 Y: 0
X: 0 Y: 2	X: 2 Y: 2	X: 1 Y: 0
X: 0 Y: 1	X: 1 Y: 3	X: 1 Y: 1
X: 1 Y: 1	X: 0 Y: 4	X: 1 Y: 2
X: 2 Y: 1	X: 3 Y: 3	X: 2 Y: 2
X: 3 Y: 1	X: 4 Y: 4	X: 3 Y: 2
X: 2 Y: 0		X: 3 Y: 3
X: 2 Y: 2		X: 3 Y: 4
		X: 2 Y: 4
		X: 1 Y: 4