

Code a program to display a straight line, decomposing the code to achieve this outcome

1

```
when micro:bit A is pressed
  on micro:bit plot X: 0 Y: 0
  on micro:bit plot X: 0 Y: 1
  on micro:bit plot X: 0 Y: 2
```

From  
'micro:bit'  
'Events'

From  
'micro:bit'  
'Actions'

Test your program



2



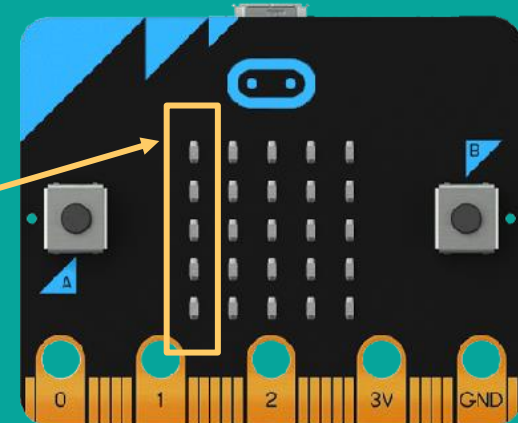
Can you decompose the task in order to plot a full straight line down the left side of the micro:bit display?

when micro:bit A is pressed

on micro:bit plot X: 0 Y: 0

on micro:bit plot X: 0 Y: 1

on micro:bit plot X: 0 Y: 2



3

This is what your code should look like!

when micro:bit A is pressed

on micro:bit plot X: 0 Y: 0

on micro:bit plot X: 0 Y: 1

on micro:bit plot X: 0 Y: 2

on micro:bit plot X: 0 Y: 3

on micro:bit plot X: 0 Y: 4

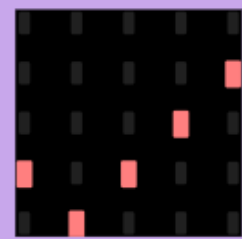
Test your program



Can you help me check my Cyber Scanner is working correctly by setting up the micro: bit test?

when micro:bit **A** is **pressed**

on micro:bit display



'yes'

# Code a program that will display an 'X' on Sam's Cyber Scanner

```

when micro:bit B is pressed
  clear micro:bit LEDs
  on micro:bit plot X: 0 Y: 0
  on micro:bit plot X: 1 Y: 1
  on micro:bit plot X: 2 Y: 2
  on micro:bit plot X: 3 Y: 3
  on micro:bit plot X: 4 Y: 4
  on micro:bit plot X: 4 Y: 0
  on micro:bit plot X: 1 Y: 3
  on micro:bit plot X: 3 Y: 1
  on micro:bit plot X: 0 Y: 4
  
```

Experiment with the plot coordinates