

Micro:bit Programming - sequence

Using the **Block Editor**...

Write a program to display Xs and Os in that order

Challenges:

1. work out how to control the gap between images
2. work out how to clear the screen for a time
3. work out why the program repeats itself
4. experiment with some of the other blocks from the Basic section

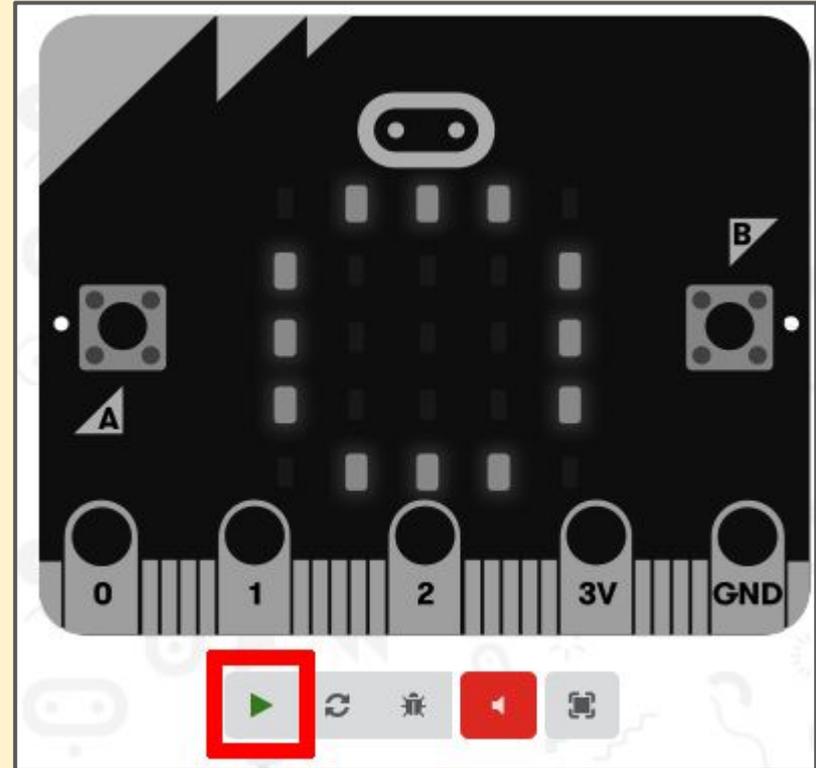
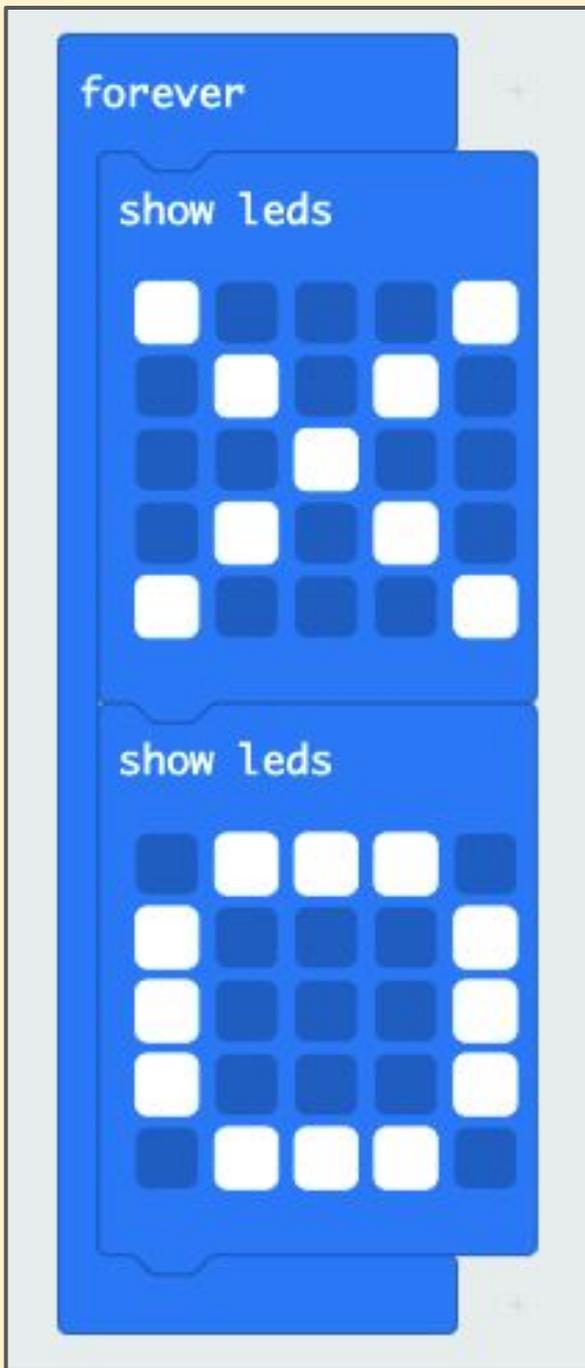
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Here's an algorithm:

```
REPEAT forever:  
  display an X  
  wait 1 second  
  blank the screen  
  wait ½ second  
  display an 0  
  wait 1 second  
  blank the screen  
  wait ½ second
```

Write a program using the
block editor to code the
algorithm

You only need to use blocks from the **Basic** section



Press the Play button on the emulator to run your program

show icon



show string

"Hello!"

clear screen

pause (ms)

100

There are other useful blocks in the Basic section

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The report:

1. take a **screenshot** of your program
2. **paste** it into your PowerPoint report
3. add some **writing** to describe what your program does

Extending the task:

Can you write your name using Show LED blocks?