

# Micro:Bit – programming using Python

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You need to use the MicroPython editor now.

Python is a much more powerful programming language that uses text to code rather than blocks.

1. **Delete** any code that's already in the Python editor

2. On **line 1** type: `# Heart program`

The `#` tells us this is a comment – a line of code for humans, not the computer

3. On **line 2** type: `from microbit import *`

Every Python program needs this line of code at the top

4. Leave **line 3** blank

5. On **line 4** type: `display.show(Image.HEART)`

6. Press the **Connect** button to connect your micro:bit

7. **Flash** the code to your micro:bit to see what happens

## Challenges:

A. Display more than one image

To pause between two images use a line of code such as: `sleep(1000)`

To blank the micro:bit between images use: `display.clear()`

B. Display some text

To display a single word use code such as: `display.scroll("Happy")`

Make sure you use the quotes

C. Get the images to continue to display rather than stopping

This is trickier to do. Take a look at the example code to get some ideas