BBC micro:bit Coding

4 Simple Steps to Coding in Python

1. Connect the PC to the micro:bit board using a USB cable...

2. Now open your web browser and visit this web page...

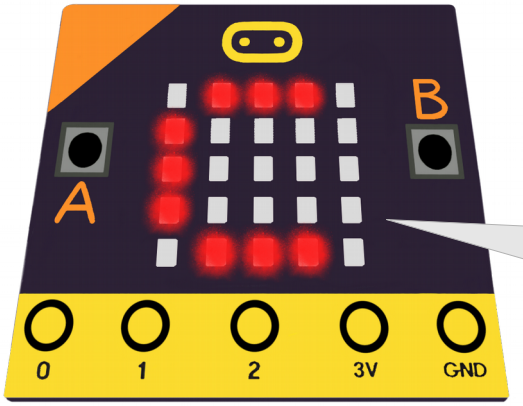
python.microbit.org

3. In the editor enter the python code statements on the right...

```
from microbit import *

display.scroll('Be Cool!')
```

4. Click the 'Download' icon and select the micro:bit device



Watch my LEDs!

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Try These 4 Python Programs

A Countdown Timer

```
from microbit import *

display.show('3')
sleep(1000)
display.show('2')
sleep(1000)
display.show('1')
sleep(1000)
display.show('0')
```

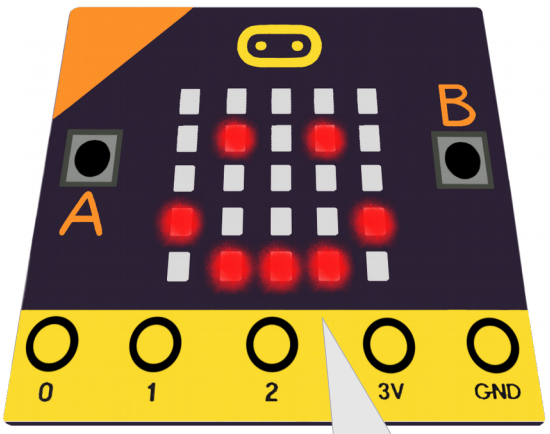
Capture Button Presses

```
from microbit import *

while True:
  if button_a.is_pressed():
    display.show(Image.HAPPY)
  if button_b.is_pressed():
    display.show(Image.SAD)
```

Images and Animations

```
from microbit import *

# images
display.show(Image.SQUARE)
sleep(2000)
display.show(Image.HEART)
sleep(2000)
display.show(Image.PACMAN)
sleep(2000)
display.show(Image.SNAKE)
sleep(2000)
# animations
display.show(Image.ALL_CLOCKS)
sleep(2000)
display.show(Image.ALL_ARROWS)
```

Visit **goo.gl/EbrszB** for more image names and lots of code examples.



I can run your code!

Design Your Own LED Images

```
from microbit import *

# define a 5x5 digit string where
# 9=max-brightness and 0=min-brightness
img = Image('99999:07770:00500:03330:11111')
display.show(img)
```

More Python Tutorials at davidbriddock.blogspot.co.uk

CoderDojoSushi