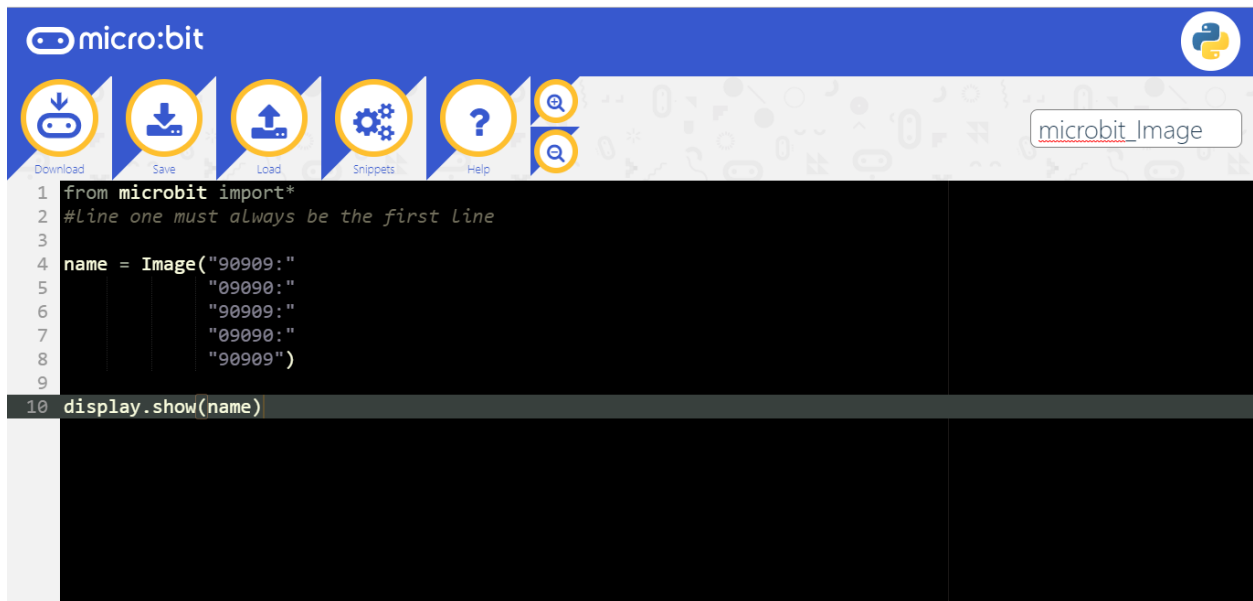


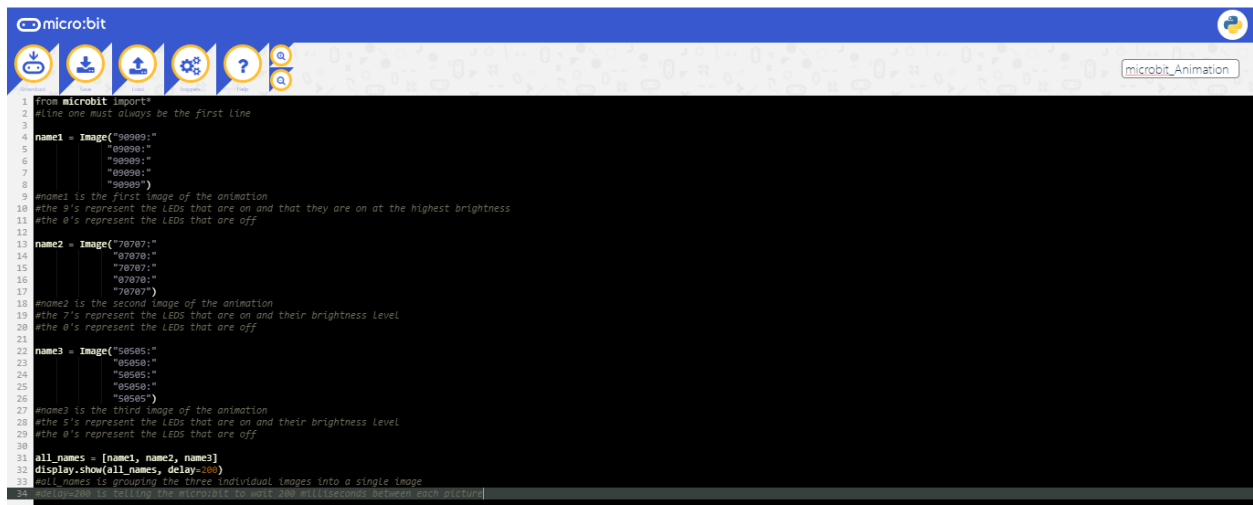
MicroPython Create Your Own Image Program Sample



The screenshot shows the MicroPython IDE interface. At the top, there is a blue header with the 'micro:bit' logo on the left and a Python logo on the right. Below the header is a toolbar with icons for Download, Save, Load, Snippets, Help, and Search. A search bar on the right contains the text 'microbit_Image'. The main code editor area contains the following Python code:

```
1 from microbit import*
2 #line one must always be the first line
3
4 name = Image("00909:"
5              "09090:"
6              "90909:"
7              "09090:"
8              "90909")
9
10 display.show(name)
```

MicroPython Create Your Own Animation Program Sample



The screenshot shows the MicroPython IDE interface. At the top, there is a blue header with the 'micro:bit' logo on the left and a Python logo on the right. Below the header is a toolbar with icons for Download, Save, Load, Snippets, Help, and Search. A search bar on the right contains the text 'microbit_Animation'. The main code editor area contains the following Python code:

```
1 from microbit import*
2 #line one must always be the first line
3
4 name1 = Image("90909:"
5              "09090:"
6              "90909:"
7              "09090:"
8              "90909")
9
10 #name1 is the first image of the animation
11 #the 9's represent the LEDs that are on and that they are on at the highest brightness
12 #the 0's represent the LEDs that are off
13
14 name2 = Image("70707:"
15              "07070:"
16              "70707:"
17              "07070:")
18
19 #name2 is the second image of the animation
20 #the 7's represent the LEDs that are on and their brightness level
21 #the 0's represent the LEDs that are off
22
23 name3 = Image("50505:"
24              "05050:"
25              "50505:"
26              "05050:")
27
28 #name3 is the third image of the animation
29 #the 5's represent the LEDs that are on and their brightness level
30 #the 0's represent the LEDs that are off
31
32 all_names = [name1, name2, name3]
33 display.show(all_names, delay=200)
34 #delay=200 is giving the microbit to wait 200 milliseconds between each picture
```