

# Micro:bit Programming

What's the difference in terms of **what the program does** ?

```
1 #Cow program
2 from microbit import *
3
4 while True:
5     display.scroll("COW")
6     display.show(Image.COW)
7     sleep(2000)
8
```

```
1 #Cow program
2 from microbit import *
3
4
5 display.scroll("Cow")
6 display.show(Image.COW)
7 sleep(2000)
8
```

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What does **line 1** do?

```
1 #Cow program
2 from microbit import *
3
4 while True:
5     display.scroll("COW")
6     display.show(Image.COW)
7     sleep(2000)
8
```

# Micro:bit Programming

What does **line 4** do?

```
1 #Cow program
2 from microbit import *
3
4 while True:
5     display.scroll("COW")
6     display.show(Image.COW)
7     sleep(2000)
8
```

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**Repetition** is where a block of code is executed more than once

This is often called using a **loop**

What does the **while loop** do?

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Add to your screenshots to show that you understand:

- sequence
- comments
- repetition/loops
- while loops