

# Micro:bit Programming

# Algorithm

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## Sequence

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# Comment

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## Repetition

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## Loop

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## While Loop

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**Selection** is where a decision is made over what to do next in a program

This selects a block of code to do based on something that happens

This uses an **if statement**

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## Selection



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```
1 # Choosing an animal
2 from microbit import *
3
4 while True:
5     if button_a.is_pressed():
6         display.show(Image.SNAKE)
7         sleep(1000)
8         display.clear()
9     if button_b.is_pressed():
10        display.show(Image.TORTOISE)
11        sleep(1000)
12        display.clear()
13
```

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## Using the **Python Editor**...

Write a program which uses buttons to change  
an output

### *Challenges:*

1. Work out how to control buttons
2. Use the **accelerometer** to add another image