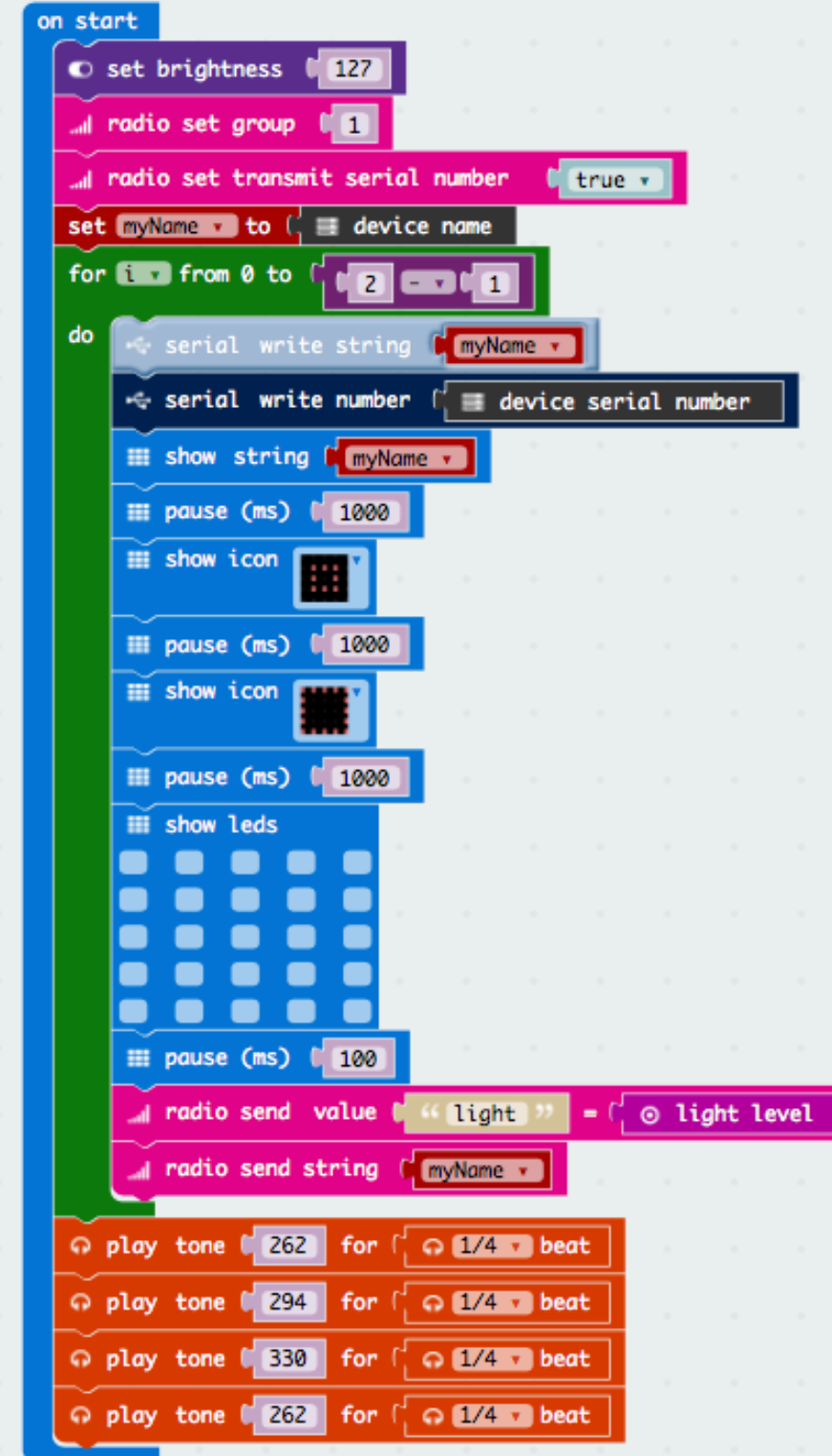


Recap—what **did** we do last time?

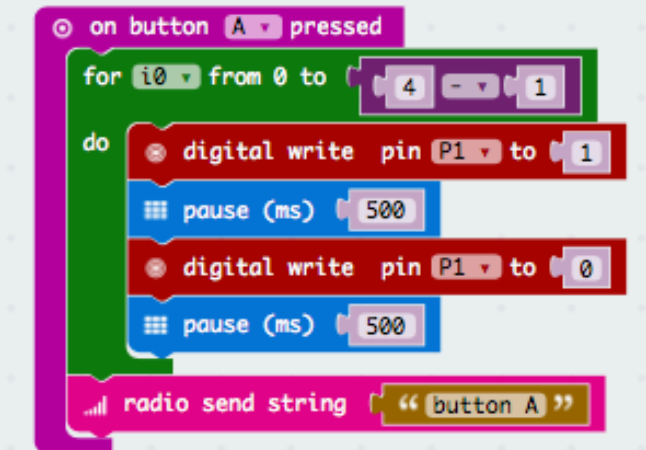
- tried out the **pxt** programming software for microbit
- saw some of the blocks we can use to program our pets

Today

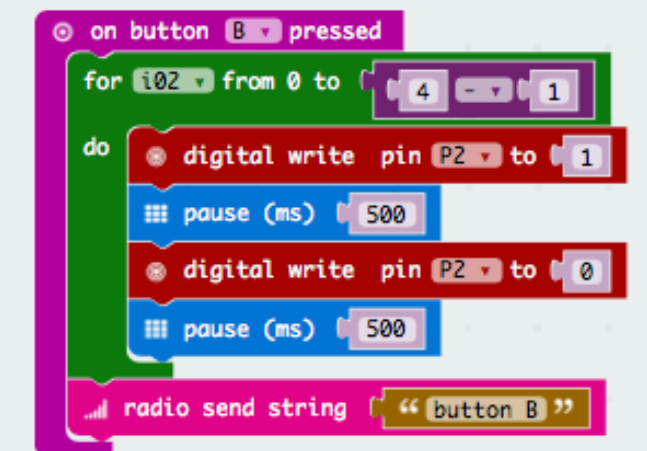
- see your microbits and incorporate them into creatures
- find your microbits' names (5 letters e.g. zepug)
- using a test program, wire up your microbits



```
on start
  set brightness to 127
  radio set group to 1
  radio set transmit serial number to true
  set myName to device name
  for i from 0 to 2
  do
    serial write string myName
    serial write number device serial number
    show string myName
    pause (ms) 1000
    show icon [LED icon]
    pause (ms) 1000
    show icon [LED icon]
    pause (ms) 1000
    show leds [LED grid]
    pause (ms) 100
    radio send value "light" = light level
    radio send string myName
  play tone 262 for 1/4 beat
  play tone 294 for 1/4 beat
  play tone 330 for 1/4 beat
  play tone 262 for 1/4 beat
```



```
on button A pressed
  for i0 from 0 to 4
  do
    digital write pin P1 to 1
    pause (ms) 500
    digital write pin P1 to 0
    pause (ms) 500
  radio send string "button A"
```



```
on button B pressed
  for i02 from 0 to 4
  do
    digital write pin P2 to 1
    pause (ms) 500
    digital write pin P2 to 0
    pause (ms) 500
  radio send string "button B"
```



In your microbit kit

- microbit
- lead
- battery box
- batteries
- booklet

Today's video



