Getting Started

Now you have assembled your BoBBoT it's time to program your micro:bit to control it. Here is an example program written in different languages, it's designed to make BoBBoT move forward and backward for 2 seconds.

The online editors can be accessed here: microbit.org/code

Microsoft Touch Develop

```
script BoBBoT Example
function main ()
    pins → digital write pin(P16, 1)
    pins → digital write pin(P12, 1)
    basic → pause(2000)
    pins → digital write pin(P16, 0)
    pins → digital write pin(P12, 0)
    pins → digital write pin(P8, 1)
    pins → digital write pin(P0, 1)
    basic → pause(2000)
    pins → digital write pin(P8, 0)
    pins → digital write pin(P0, 0)
end function
```

Python

```
from microbit import *

#gives the pins descriptive names
rightFwd=pin16
leftFwd=pin12
rightBck=pin8
leftBck=pin0
lineSensor=pin1

#both motors forward for 2 secs
rightFwd.write_digital(1)
leftFwd.write_digital(1)
sleep(2000)
rightFwd.write_digital(0)
leftFwd.write_digital(0)

#both motors backward for 2 secs
rightBck.write_digital(1)
leftBck.write_digital(1)
sleep(2000)
rightBck.write_digital(0)
leftBck.write_digital(0)
```

Microsoft Block Editor