



Exercise 1

1

- What is a sequence in computing?
- Which two blocks can you use to turn your robot?
- Which command can you use to get your robot to repeat a sequence of code?

For each of these programs:

- What is wrong?
- What effect will it have?
- How can you correct it?

A

This program should move forward, turn, move forward and then stop.

program start

```
motor 1 FORWARD at 100 %  
motor 2 FORWARD at 100 %  
wait 4 seconds  
motor 1 FORWARD at 100 %  
motor 2 STOP  
motor 1 FORWARD at 100 %  
motor 2 FORWARD at 100 %  
wait 4 seconds  
motor 1 STOP  
motor 2 STOP
```

B

This program should move around a square box and finish back where it started.

program start

```
do forever  
  motor 1 FORWARD at 75 %  
  motor 2 FORWARD at 75 %  
  wait 1 seconds  
  motor 1 FORWARD at 75 %  
  motor 2 REVERSE at 75 %  
  wait 200 milliseconds  
loop
```