inVent!

Exercise 2

1

a) **What is machine feedback?**

b) **Which of these components are outputs?**

Switch, LED, Buzzer, Battery, Microcontroller

c) **Give an example of when you could use a conditional statement**

For each of these programs:

i) What is wrong?
ii) What effect will it have?
iii) How can you correct it?

A

This program should flash the letter N in Morse code (DASH, DOT)

```
program start
set A HI
wait 200 milliseconds
set A LO
wait 1 seconds
set A HI
wait 1 seconds
set A LO
wait 1 seconds
```

B

This program should flash an LED connected to port A when a switch connected to port B is pressed.

```
program start
do forever
  if B is HI then
    set A LO
  else
    set A HI
  end if
loop
```