

Micro:bit Project Sheet 16 MS TOUCH

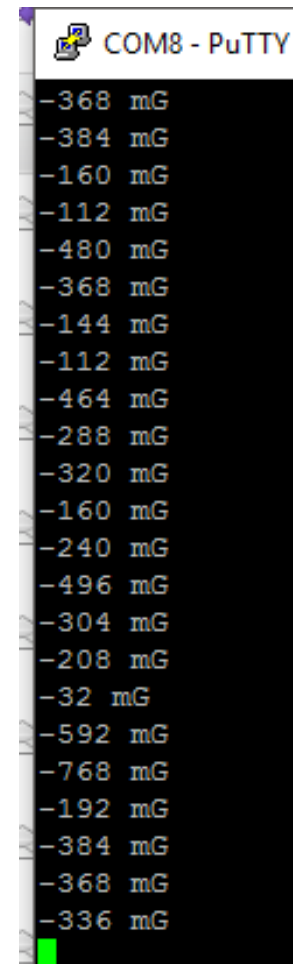
Success Criteria

- Be able to send simple data to a host PC over the serial UART

MS Touch Developer

```
script basic serial
function main ()
  while true do
    add code here
    basic → pause(20)
    var millig := input → acceleration(x)
    serial → write number(millig)
    serial → write line(" mG")
  end while
  add code here
end function
```

Example Output



COM8 - PuTTY

```
-368 mG
-384 mG
-160 mG
-112 mG
-480 mG
-368 mG
-144 mG
-112 mG
-464 mG
-288 mG
-320 mG
-160 mG
-240 mG
-496 mG
-304 mG
-208 mG
-32 mG
-592 mG
-768 mG
-192 mG
-384 mG
-368 mG
-336 mG
```

Testing

- Is connection made (Serial 115200 check your com port in Windows)
- Does your console receive the data?

Notes

#1 you will need to install the serial driver for Windows (see hints and tips page)

#2 You will need to install a serial console to receive the data—eg PuTTY (see hints and tips page)

#3 You will need to add the **serial library** in toucher developer