

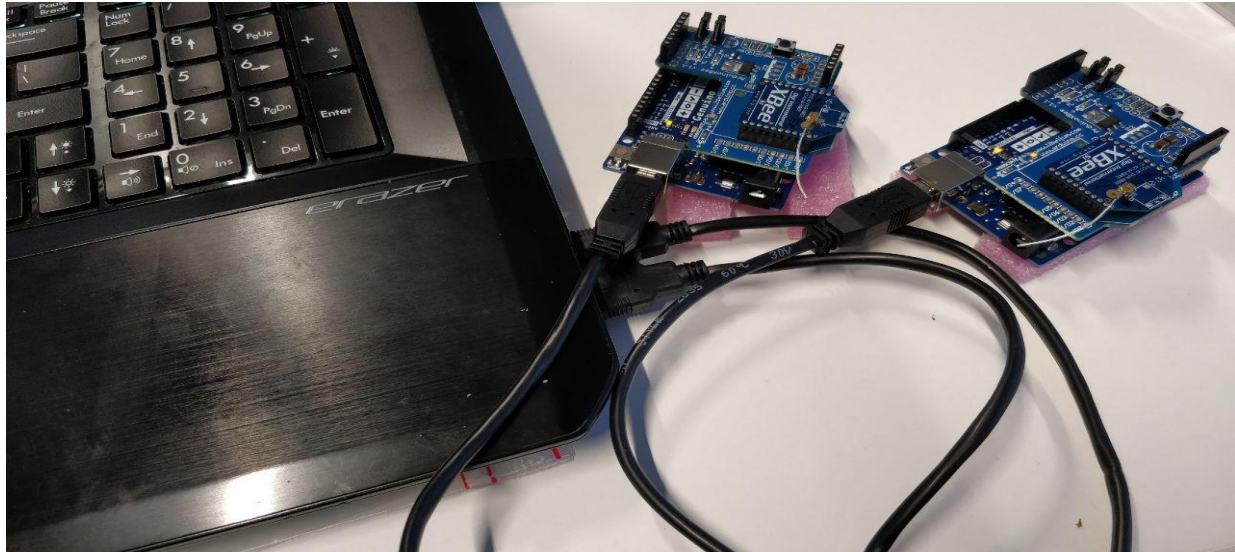
Minor ES – Connectivity - Hello World

Authors: Bas Woudstra, Rafał Grasman

# Assignment

Two Xbee modules must communicate with each other.

## Setup

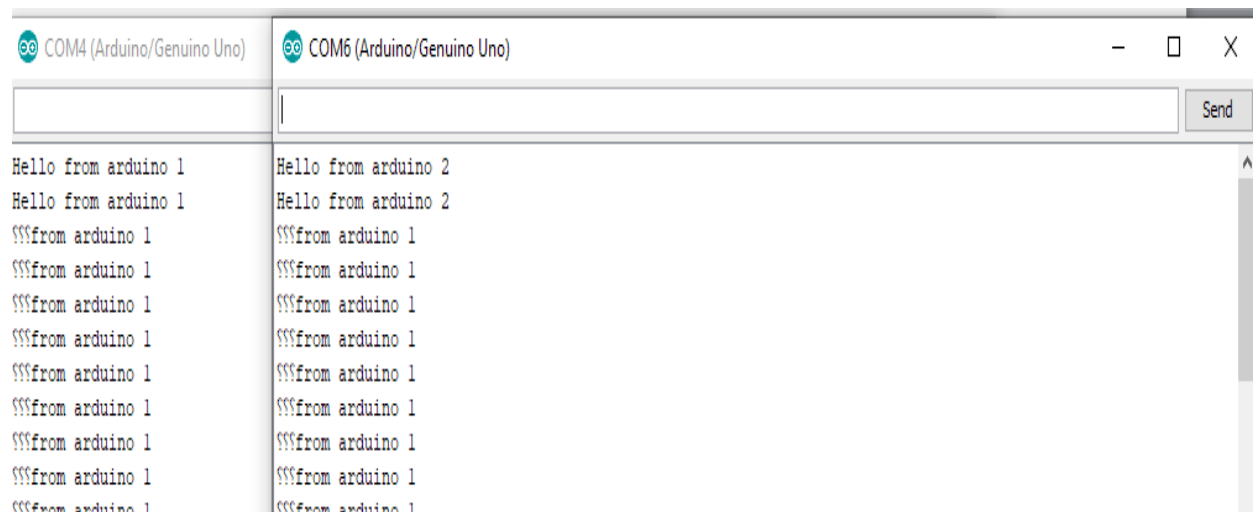


## Code

```
sketch_oct08a | Arduino 1.8.7
File Edit Sketch Tools Help
sketch_oct08a
1 void setup()
2 {
3   Serial.begin(9600);
4   Serial.println("Hello from arduino 1");
5 }
6
7 void loop()
8 {
9   while(Serial.available())
10  {
11    Serial.write(Serial.read());
12  }
13 }

sketch_oct08b | Arduino 1.8.7
File Edit Sketch Tools Help
sketch_oct08b
1 void setup()
2 {
3   Serial.begin(9600);
4   Serial.println("Hello from arduino 2");
5 }
6
7 void loop()
8 {
9   while(Serial.available())
10  {
11    Serial.write(Serial.read());
12  }
13 }
```

## Results



We can see the arduino1 first starts sending bytes so the Arduino 2 is in constant receiving state (and repeating the text / broadcasting). Some first bytes got shaved off due to an unknown reason. Further attempts to rectify the issue did not yield positive results.