Verslagen Labo mobcom

Opdracht 1 : knipperlicht

Code:

// included libary

#include <Printers.h>

#include <XBee.h>

// defining the pin where we connect the led

const int ledPin = 13;

//setup routine

void setup()

{

pinMode(ledPin, OUTPUT);// making the ledpin an outout

}

// repeat forever

void loop()

{

digitalWrite(ledPin,HIGH);// led on

delay(500);// waiht 500ms

digitalWrite(ledPin,LOW);// led of

delay(500);

}

Opdracht 2 : Analog read

Code:

void setup() {

// initialize serial communication at 9600 bits per second:

Serial.begin(9600);

}

// the loop routine runs over and over again forever:

void loop() {

// read the input on analog pin 0:

int sensorValue = analogRead(A0);

// Convert the analog reading (which goes from 0 - 1023) to a voltage (0 - 5V):

float voltage = sensorValue \* (5.0 / 1023.0);

// print out the value you read:

Serial.println(voltage);

}

Opdracht 3 : xbee broadcasting