```
// Node00
#include <RF24.h>
#include <RF24Network.h>
#include <SPI.h>
#include <Wire.h>


RF24 radio(9, 10); // nRF24L01 (CE,CSN)
RF24Network network(radio); // Include the radio in the network
const uint16_t this_node = 00; // Address of our node in Octal format
unsigned long data[3]; // number of sensors

unsigned long data1;
unsigned long data2;
unsigned long data3;

void setup() {
Serial.begin(9600);
SPI.begin();
radio.begin();
network.begin(90, this_node); //(channel, node address)
radio.setDataRate(RF24_2MBPS);
}
void loop() {

network.update();
while ( network.available() ) { // Is there any incoming data?
RF24NetworkHeader header;

network.read(header, &data, sizeof(data)); // Read the incoming data

if (header.from_node == 1) { // If data comes from Node 01
data1 = data[0];
}

if (header.from_node == 2) { // If data comes from Node 02
data2 = data[0];
}

if (header.from_node == 3) { // If data comes from Node 02
data3 = data[0];
}

}
  Serial.print(data1);
  Serial.print(",");
  Serial.print(data2);
  Serial.print(",");
```

```
  Serial.println(data3);
  delay(50);
}


// Node01
#include <RF24.h>
#include <RF24Network.h>
#include <SPI.h>
RF24 radio(9, 10); // nRF24L01 (CE,CSN)
RF24Network network(radio); // Include the radio in the network
const uint16_t this_node = 01; // Address of this node in Octal format
const uint16_t node00 = 00;
unsigned long data[3]; // number of sensors

void setup() {
SPI.begin();
radio.begin();
network.begin(90, this_node); //(channel, node address)
radio.setDataRate(RF24_2MBPS);
}
void loop() {
network.update();
unsigned long soundValue = analogRead(A0); // Read the potentiometer value
data[0] = soundValue;



RF24NetworkHeader header7(node00);
bool ok = network.write(header7, &data, sizeof(data)); // Send the data
}

// Node02
#include <RF24.h>
#include <RF24Network.h>
#include <SPI.h>
RF24 radio(9, 10); // nRF24L01 (CE,CSN)
RF24Network network(radio); // Include the radio in the network
const uint16_t this_node = 02; // Address of this node in Octal format
const uint16_t node00 = 00;
unsigned long data[3]; // number of sensors

void setup() {
SPI.begin();
radio.begin();
network.begin(90, this_node); //(channel, node address)
radio.setDataRate(RF24_2MBPS);
}
```

```
void loop() {
network.update();
unsigned long soundValue = analogRead(A0); // Read the potentiometer value
data[0] = soundValue;

RF24NetworkHeader header8(node00);
bool ok = network.write(header8, &data, sizeof(data)); // Send the data
}


// Node03
#include <RF24.h>
#include <RF24Network.h>
#include <SPI.h>
RF24 radio(9, 10); // nRF24L01 (CE,CSN)
RF24Network network(radio); // Include the radio in the network
const uint16_t this_node = 03; // Address of this node in Octal format
const uint16_t node00 = 00;
unsigned long data[3]; // number of sensors

void setup() {
SPI.begin();
radio.begin();
network.begin(90, this_node); //(channel, node address)
radio.setDataRate(RF24_2MBPS);
}
void loop() {
network.update();
unsigned long soundValue = analogRead(A0); // Read the potentiometer value
data[0] = soundValue;


//indexSender1 = 1;
//data[0] = indexSender1;
// data[1] = sensor1;
// data[2] = sensor2;
// data[2] = sensor3;

RF24NetworkHeader header9(node00);
bool ok = network.write(header9, &data, sizeof(data)); // Send the data
}
```