

Code_r_cepteur_esclave_-_Programme_pour_Arduino_2V1 \$

```
#include <Wire.h>

int x;
char f[2];
void setup() {
  Wire.begin(8);           // join i2c bus with address #8
  Wire.onReceive(receiveEvent); // register event
  Wire.onRequest(requestEvent); // register event
  Serial.begin(9600);      // start serial for output
}

void loop() {
  delay(100);
}

// function that executes whenever data is received from master
// this function is registered as an event, see setup()
void receiveEvent(int howMany) {
  while (1 < Wire.available()) { // loop through all but the last
    char c = Wire.read(); // receive byte as a character
    Serial.print(c);       // print the character
  }
  x = Wire.read(); // receive byte as an integer
  // Serial.println(x); // print the integer
}

void requestEvent() {
  itoa(x, f, 16);
  Wire.write(f);
  Serial.println(f);
}
```