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**CODE:**

**BLUETOOTH:**

#include <SoftwareSerial.h>

SoftwareSerial my Serial(10, 11) // RX, TX

void setup() {

// Open serial communications and wait for port to open:

Serial.begin(9600)

while(! Serial); {

// wait for serial port to connect. Needed for native USB port only

Serial.println("Goodnight moon!");

// set the data rate for the SoftwareSerial port

mySerial.begin(9600);

mySerial.println("Hello, world?");

}

void loop() { // run over and over

if (mySerial.available()) {

Serial writetmySerial.read());

}

if(Serial.available()) {

mySerial write(Serial.read());

}

}